

BRENT PEYTON
Return to Pineville Store

COMPANY NAME : RITCHEE EQUIPMENT, INC.
CUSTOMER EQUIP NUM : 599
COMPARTMENT NAME : ENGINE
SERIAL NUMBER : 28W01622
MANUFACTURER : CATERPILLAR
MODEL : 789C
JOB SITE : RED FOX
EXT WARR NUMBER :
PHONE :
SAMPLE TYPE : **OIL**
SAMPLE SHIP TIME (days) : 3

SHOP JOB NUM :
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : 15W-40
FLUID TYPE :
EXT WARR EXPIRE DATE :
FUEL CONSUMED :

Carter
Fluids Analysis Laboratory
1330 Lynchburg Turnpike
Salem, VA 24153-5457
540-387-1111
www.catermachinery.com



LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49210-0642	26-Jul-2019	29-Jul-2019	33279 HR	0	No			
No Action Required NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
D100-48037-0721	02-Feb-2018	06-Feb-2018	33262 HR	250 HR	Yes			
No Action Required NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
D100-47094-0227	27-Mar-2017	04-Apr-2017	27748 HR	5371 HR	Yes			
No Action Required NORMAL WEAR METAL READINGS. CONTINUE NORMALLY SCHEDULED SAMPLING.								
D100-46041-0324	28-Jan-2016	10-Feb-2016	25945 HR	3568 HR	No			
No Action Required NORMAL WEAR METAL READINGS. CONTINUE NORMALLY SCHEDULED SAMPLING.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-48210-0642	4	7	0	4	1	1	13	20	0	128	34	0	0	1	1	1827	513	927	807
D100-48037-0721	8	18	0	1	2	0	4	3	1	67	2	0	0	5	2	1641	558	1190	1083
D100-47094-0227	8	18	0	3	1	1	3	3	0	14	2	0	0	4	0	1900	51	988	803
D100-46041-0324	8	15	0	2	3	0	3	3	1	6	14	0	0			2116	307	1241	1037

Oil Condition / Particle Count (defn)	ST	OXI	NIT	SUL	W	A	F	V100	PCI
D100-49210-0642	0	20	6	24	N	N	N	13.1	5
D100-48037-0721	16	17	10	24	N	N	N	12.9	25
D100-47094-0227	21	18	10	28	N	N	N	13.0	41
D100-46041-0324	14	17	10	24	N	N	N	13.8	29

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulfur, V = Vanadium, Zn = Zinc, A = Antifeeder, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PCI = Particle Quantifying Index, NAV = Salt Water, FLPI = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, FVI = Particle Volume Indicator

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

RITCHEE PRESERVATI
P O BOX 1085
PRINCETON, WVA

FAX:
 PHONE: 304-325-8195
 SAMPLE TYPE: **COOLANT - RAD1_MET**
 SAMPLE SHIP TIME (days): 3

COMPANY NAME: RITCHEE EQUIPMENT, INC.
 CUSTOMER EQUIP NUM: 599
 COMPARTMENT NAME: RADIATOR
 SERIAL NUMBER: 2BWD1622
 MANUFACTURER: CATERPILLAR
 MODEL: 789C
 JOB SITE: RED FOX
 EXT WARR NUMBER:
 SHOP JOB NUM:
 COMP SERIAL NUM:
 COMPARTMENT MODEL:
 COMP MANUFACTURER:
 SAMPLE LABEL NUM:
 FLUID BRAND/WEIGHT:
 FLUID TYPE:
 EXT WARR EXPIRE DATE:
 FUEL CONSUMED:



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LAB CONTROL NUMBER: D100-49210-1023 SAMPLE DATE: 26-Jul-2019 PROCESS DATE: 29-Jul-2019 EQUIPMENT METER: 33279 HR METER ON FLUID: 0 FLUID CHANGED: NO MAKE UP FLUID: MAKE UP FLUID UNITS: Monitor Compartment

ABNORMAL ODOR WITH A TRACE OF BROWN RESIDUE. ALL OTHER TESTS APPEAR NORMAL. CHECK SOURCES OF CONTAMINATION. RESAMPLE AT REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.

Date	Al	Cu	Fe	Pb	K	Na	Sn	Zn	CAC	MgC	TH	MOO4	SI03	BO3	PO4	BP	FP	GL	pH	CON
D100-49210-1023	0	0	1	1	2030	3256	0	2	25	21	46	427	53	344	315	107	-37	50	8.8	4028

Date	NO2	Odor	Color	App	Foam	Oil	Pant	PApp	PCol	PProp
D100-49210-1023	302	abnorm	red	clear	norm	none	trace	residue	bn sol	floaters

Al = Aluminum, Cu = Copper, Fe = Iron, K = Potassium, Na = Sodium, Pb = Lead, Sn = Tin, V = Vanadium, Zn = Zinc, BO3 = Borate, CAC = Ca as CaCO3, MgC = Mg as CaCO3, MOO4 = Molybdate, PO4 = Phosphate, SI03 = Silicate, TH = Total Hardness, CL = Chloride, CO3 = Carbonate, GLO = Glycolate, NO2 = Nitrite, NO3 = Nitrate, PCO4 = Phosphate, SAC = Sulfuric Acid, SO4 = Sulfate, TT = Toluene, BP = Boil Point(C), FP = Freeze Point(C), GL = Glycol, CON = Conductivity, App = Appearance, Part = Precipitate Amount, PApp = Precipitate Appearance, PCol = Precipitate Color, PProp = Precipitate Property, CType = Coolant Type
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COMPANY NAME: RITCHE EQUIPMENT, INC.
CUSTOMER EQUIP NUM: 599
COMPARTMENT NAME: TRANSMISSION POWER SHIFT
SERIAL NUMBER: 2BWO1622
MANUFACTURER: CATERPILLAR
MODEL: 789C
JOB SITE: RED FOX
EXT WARR NUMBER: 4

SHOP JOB NUM:
COMP SERIAL NUM:
COMPARTMENT MODEL:
COMP MANUFACTURER:
SAMPLE LABEL NUM:
FLUID BRAND/WEIGHT: 30
FLUID TYPE:
EXT WARR EXPIRE DATE:
FUEL CONSUMED:

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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49211-0213	26-Jul-2019	30-Jul-2019	33279 HR		Yes			
<div style="border: 1px solid yellow; padding: 2px;"> Monitor Compartment ISO PARTICLE COUNT READING EXCEEDS RECOMMENDED CLEANNESS LEVEL. SILICON (TYPICALLY DIRT) LEVEL APPEARS HIGH. OTHER READINGS APPEAR TO BE NORMAL. CHECK POSSIBLE SOURCES OF CONTAMINATION. RESAMPLE IN 125 HOURS TO MONITOR. </div>								
D100-49041-0331	28-Jan-2016	10-Feb-2016	25945 HR		No			
<div style="border: 1px solid green; padding: 2px;"> No Action Required ELEVATED COPPER LEVEL MAY BE DUE TO INCREASED OIL COOLER CORE LEACHING. NOT WEAR. OTHER READINGS APPEAR TO BE NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING. </div>								

Wear Metals (ppm)																			
	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-49211-0213	1	8	0	4	0	0	45	3	2	81	1	0	0	2	0	2534	178	1243	1040
D100-49041-0331	70	10	0	1	1	0	7	3	0	13	5	1	0			3195	116	1188	890

Oil Condition / Particle Count (count)																	
	ST	OXI	NIT	SUL	W	A	V100	PCI	ISO	4μ	6μ	10μ	14μ	18μ	21μ	38μ	50μ
D100-49211-0213	0	7	5	16	N	N	9.7	9	23/23/20	52829	46014	28055	8578	3077	1788	140	40
D100-49041-0331	0	10	6	18	N	N	8.8	38	21/18/16	14941	2161	653	348	288	243	135	81

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, V = Vanadium, Zn = Zinc, A = Antimony, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PCI = Particle Quantifying Index, NAW = Salt Water, FL P = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Water, V100 = Viscosity@100C, V40 = Viscosity@40C, PV = Particle Volume Indicator

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COMPANY NAME : RITCHEE EQUIPMENT, INC.
 CUSTOMER EQUIP NUM : 599
 COMPARTMENT NAME : HYDRAULIC SYSTEM
 SERIAL NUMBER : 2BHW01622
 MANUFACTURER : CATERPILLAR
 MODEL : 789C
 JOB SITE : RED FOX
 EXT WARR NUMBER :
 SHOP JOB NUM :
 COMP SERIAL NUM :
 COMPARTMENT MODEL :
 COMP MANUFACTURER :
 SAMPLE LABEL NUM :
 FLUID BRAND/WEIGHT : 10W
 FLUID TYPE :
 EXT WARR EXPIRE DATE :
 FUEL CONSUMED :

PHONE :
 SAMPLE TYPE : **OIL**
 SAMPLE SHIP TIME (days) : 3



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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49210-0801	26-Jul-2019	29-Jul-2019	33279 HR	0	Yes			
Monitor Compartment	ISO PARTICLE COUNT READINGS EXCEEDS RECOMMENDED CLEANLINESS LEVEL. OTHER READINGS APPEAR TO BE NORMAL. CHECK POSSIBLE SOURCES OF CONTAMINATION. RESAMPLE IN 125 HOURS TO MONITOR.							
D100-48041-0302	28-Jan-2016	10-Feb-2016	25945 HR	15808 HR	No			
Monitor Compartment	HIGH WATER CONCENTRATION (>1% H2O). ELEVATED SILICON & COPPER APPEAR TO BE RESIDUALS FROM A COMPOUND USED IN ASSEMBLY OR REPAIR. OTHER READINGS APPEAR TO BE NORMAL. EXAMINE HOUSING SEALS, BREATHERS, FLUIDS FOR INDICATIONS OF LEAKAGE OR DIRTY WATER ENTRY. CHANGE OIL/INSTALL NEW FILTERS. CONTINUE NORMALLY SCHEDULED SAMPLING.							

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-49210-0801	4	9	0	5	1	1	25	6	0	24	3	0	2	2	0	2403	139	1214	1007
D100-48041-0302	65	29	1	3	3	0	22	21	25	20	7	4	2			3123	69	1167	957

Oil Condition / Particle Count (cc/ml)	ST	OXI	NIT	SUL	W	A	VI100	PdI	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
D100-49210-0801	0	6	5	18	N	N	8.4	12	23/22/19	467/44	37989	19823	4735	2331	1945	291	70
D100-48041-0302	0	11	8	14	P	N		42	H2O								

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulfur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PdI = Particle Quantifying Index, NAW = Salt Water, FL = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, VI100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

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COMPANY NAME : RITCHEE EQUIPMENT, INC.
CUSTOMER EQUIP NUM : 599
COMPARTMENT NAME : STEERING SYSTEM
SERIAL NUMBER : 28W01622
MANUFACTURER : CATERPILLAR
MODEL : 789C
JOB SITE : RED FOX
EXT WARR NUMBER :
PHONE:
SAMPLE TYPE: **OIL**
SAMPLE SHIP TIME (days) : 4

SHOP JOB NUM :
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : 10W
FLUID TYPE :
EXT WARR EXPIRE DATE :
FUEL CONSUMED :



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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49211-0211	26-Jul-2019	30-Jul-2019	33279 HR	0	No			
<div style="border: 1px solid black; padding: 5px;"> Monitor Compartment ISO PARTICLE COUNT READING EXCEEDS RECOMMENDED CLEANLINESS LEVEL. LEAD HAS BROKEN TREND AND APPEARS HIGH. OTHER READINGS APPEAR TO BE NORMAL. CHECK POSSIBLE SOURCES OF CONTAMINATION. RESAMPLE IN 125 HOURS TO MONITOR. </div>								
D100-48041-0319	28-Jan-2016	10-Feb-2016	28945 HR	15808 HR	No			
<div style="border: 1px solid black; padding: 5px;"> Monitor Compartment ELEVATED ISO PARTICLE COUNT MAY BE DUE TO CONTAMINATION DURING SAMPLING PROCESS. OTHER READINGS APPEAR TO BE NORMAL. CHECK POSSIBLE SOURCES OF CONTAMINATION. CONTINUE NORMALLY SCHEDULED SAMPLING. </div>								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	NI	Ag	Tl	V	Ca	Mg	Zn	P
D100-49211-0211	7	12	0	9	128	0	17	3	2	91	3	8	0	2	0	2505	141	1248	1050
D100-48041-0319	8	7	0	5	34	3	12	2	3	80	18	0	0			3205	88	1219	991

Oil Condition / Particle Count (eln/l)	ST	OXI	NIT	SUL	W	A	V100	PdI	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
D100-49211-0211	0	7	5	18	N	N	7.1	7	2221/15	38503	15821	1168	168	79	80	17	10
D100-48041-0319	0	8	8	18	N	N	11.0	28	2220/16	23709	5445	1003	415	308	270	130	73

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulfur, V = Vanadium, Zn = Zinc, A = Antinezza, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PCl = Particle Quantifying Index, NAW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

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COMPANY NAME : RITCHEE EQUIPMENT, INC.
CUSTOMER EQUIP NUM : 599
COMPARTMENT NAME : WHEEL BEARINGS FRONT RIGHT
SERIAL NUMBER : 2BWD1822
MANUFACTURER : CATERPILLAR
MODEL : 789C
JOB SITE : RED FOX
EXT WARR NUMBER :

SHOP JOB NUM :
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : 50
FLUID TYPE :
EXT WARR EXPIRE DATE :
FUEL CONSUMED :



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SAMPLE TYPE: **OIL**
SAMPLE SHIP TIME (days) : 3

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49210-0651	26-Jul-2019	29-Jul-2019	33279 HR	0	No			
<div style="border: 2px solid green; padding: 5px; display: inline-block;">No Action Required</div> NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
D100-48041-0140	02-Feb-2016	10-Feb-2016	25945 HR	16124 HR	No			
<div style="border: 2px solid green; padding: 5px; display: inline-block;">No Action Required</div> NORMAL WEAR METAL READINGS. CONTINUE NORMALLY SCHEDULED SAMPLING.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-49210-0651	2	89	1	4	0	0	23	5	0	7	2	0	0	2	0	2346	47	998	828
D100-48041-0140	1	40	0	2	0	0	15	2	1	5	2	1	0			2281	21	900	722

Oil Content / Particle Count (c/mt)	W	V100	PQI	ISO	4 μ	9 μ	10 μ	14 μ	18 μ	21 μ	38 μ	50 μ
D100-49210-0651	N	12.3	38	NORMAL								
D100-48041-0140	N	18.9	47	23/22/15	43150	25042	2721	277	130	98	31	17

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulfur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NAW = Sulf Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, HZO = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

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COMPANY NAME: RITCHEE EQUIPMENT, INC.
CUSTOMER EQUIP NUM: 599
COMPARTMENT NAME: WHEEL BEARINGS FRONT LEFT
SERIAL NUMBER: 2BWD01622
MANUFACTURER: CATERPILLAR
MODEL: 789C
JOB SITE: RED FOX
EXT WARR NUMBER:
SHOP JOB NUM:
COMP SERIAL NUM:
COMPARTMENT MODEL:
COMP MANUFACTURER:
SAMPLE LABEL NUM:
FLUID BRAND/WEIGHT: 50
FLUID TYPE:
EXT WARR EXPIRE DATE:
FUEL CONSUMED:



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SAMPLE TYPE: **OIL**
SAMPLE SHIP TIME (days): 3

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49210-0649	26-Jul-2019	29-Jul-2019	33279 HR	0	No			
No Action Required								
NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
D100-49041-0339	28-Jan-2016	10-Feb-2016	25945 HR	16124 HR	Unknown			
No Action Required								
NORMAL WEAR METAL READINGS. CONTINUE NORMALLY SCHEDULED SAMPLING.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-49210-0649	2	177	1	4	0	0	21	6	0	15	2	0	0	5	0	2267	36	1009	832
D100-49041-0339	0	43	0	1	0	0	14	1	1	15	1	0	0			1887	17	839	686

Oil Condition / Particle Count (ct/ml)	W	V100	PQI	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
D100-49210-0649	N	14.7	72	NORMAL								
D100-49041-0339	N	17.8	51	23/22/19	40788	28250	8319	2783	1574	1187	294	117

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulfur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Eccentric, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

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COMPANY NAME : RITCHE EQUIPMENT, INC.
SHOP JOB NUM :
CUSTOMER EQUIP NUM : 599
COMP SERIAL NUM :
COMPARTMENT NAME : DIFFERENTIAL REAR
COMPARTMENT MODEL :
SERIAL NUMBER : 28W01622
COMP MANUFACTURER :
MANUFACTURER : CATERPILLAR
SAMPLE LABEL NUM :
MODEL : 789C
FLUID BRAND/WEIGHT : 50
PHONE :
JOB SITE : RED FOX
FLUID TYPE :
EXT WARR NUMBER :
EXT WARR EXPRE DATE :
SAMPLE TYPE : **OIL**
FUEL CONSUMED :
SAMPLE SHIP TIME (days) : 3



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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49210-0650	26-Jul-2019	29-Jul-2019	33279 HR	0	No			
<div style="border: 2px solid green; padding: 5px; display: inline-block;"> No Action Required </div> NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
D100-49041-0141	28-Jan-2016	10-Feb-2016	25945 HR	19851 HR	No			
<div style="border: 2px solid green; padding: 5px; display: inline-block;"> No Action Required </div> NORMAL WEAR METAL READINGS. CONTINUE NORMALLY SCHEDULED SAMPLING.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-49210-0650	2	49	0	3	1	0	14	5	0	8	3	0	0	1	0	2087	35	901	748
D100-49041-0141	3	138	0	3	0	2	18	2	1	8	2	0	0			2886	18	1150	939

Oil Condition / Particle Count (ct/ml)	W	VI100	PQI	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
D100-49210-0650	N	15.0	11	NORMAL								
D100-49041-0141	N	18.3	175	23/22/21	43487	38573	29728	16553	8553	8788	814	247

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NAW = Salt Water, FL FT = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, HZO = Karl Fisher result, VI100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

BRENT PEYTON
Return to Pineville Store

COMPANY NAME : RITCHIE EQUIPMENT, INC.
CUSTOMER EQUIP NUM : 599
COMPARTMENT NAME : FINAL DRIVE REAR LEFT
SERIAL NUMBER : 28W01622
MANUFACTURER : CATERPILLAR
MODEL : 789C
JOB SITE : RED FOX
EXT WARR NUMBER :
PHONE :
SAMPLE TYPE : **OIL**
SAMPLE SHIP TIME (day): 3

SHOP JOB NUM :
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : 50
FLUID TYPE :
EXT WARR EXPIRE DATE :
FUEL CONSUMED :

Fluids Analysis Laboratory
1330 Lynchburg Turnpike
Salern, VA 24153-5457
540-387-1111
www.catermachinery.com

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D100-49210-0947	26-Jul-2019	29-Jul-2019	33279 HR	0	No			

No Action Required

NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-49210-0947	3	80	0	4	1	0	17	8	0	12	4	0	0	1	0	2445	42	1057	880

Oil Condition / Particle Count (cent)	W	V100	PQI	ISO
D100-49210-0947	N	14.4	18	NORMAL

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, V = Vanadium, Zn = Zinc, A = Antineaza, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excavator, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NewW = Salt Water, Fl, Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

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