PRINCETON, WV 24740 PAUL BARNETTE P.O. BOX 1588

RITCHIE EQUIPMENT, INC.

SAMPLE SHIP TIME (days): SAMPLE TYPE: OIL

EXT WARR NUMBER:

JOB SITE: MODEL: 930H

PHONE: 304-325-6525

FAX: 304-325-6525

D100-50232-0143 LAB CONTROL NUMBER

No Action Required

CUSTOMER EQUIP NUM: RITCHIE COMPARTMENT NAME: ENGINE COMPANY NAME: RITCHIE EQUIPMENT, INC.

MANUFACTURER: CATERPILLAR

SERIAL NUMBER: DHC00757

FLUID BRAND/WEIGHT: UNKNOWN

SHOP JOB NUM

COMP MANUFACTURER

COMP SERIAL NUM:

FLUID TYPE

EXT WARR EXPIRE DATE

SAMPLE LABEL NUM NO INFO ON LABEL

COMPARTMENT MODEL

Salem, VA 24153-5457 Fluids Analysis Laboratory 540-387-1111 1330 Lynchburg Turnpike

	12			FUEL C	FUEL CONSUMED:	www.c	ww.cartermachinery.com	
₽ .	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
	07-Aug-2020	19-Aug-2020	13913 HR		Unknown			
	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL	SOCIATED WITH THIS SAN	APLE. CONTINUE SAMPLING A	T THE NORMAL INTERVAL.				

02-May-2017 03-May-2017 11110 HR 6968 HR NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.	17 03-May-2017 11110 HR 6968 HR No FLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.	17 03-May-2017 11110 HR 6968 HR No FLY ASSOCIATED WITH THIS SAMPLE, CONTINUE SAMPLING AT THE NORMAL INTERVAL.
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6968 HR IORMAL INTERVAL.	6968 HR NO	6968 HR No IORMAL INTERVAL.
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B270-47123-0159	D100-50232-0143	Particle Count (ct/ml)		B270-47123-0159	D100-50232-0143
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Wear Metals (ppm)

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Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potasslum, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Sillcon, Sn = Tin, S = Sulphur, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Waiter, P = Postitve, 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 = Sall Water, FL Pt = Flash Point, TAN = Total Add Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C, PVI = Particle Volume Indicator

P.O. BOX 1588 PAUL BARNETTE RITCHIE EQUIPMENT, INC.

PRINCETON, WV 24740

SAMPLE TYPE: COOLANT - RAD_1 PHONE: 304-325-6525 FAX: 304-325-6525

SAMPLE SHIP TIME (days):

LAB CONTROL NUMBER

SAMPLE DATE

PROCESS DATE

EQUIPMENT METER

METER ON FLUID

Unknown

EXT WARR NUMBER

JOB SITE: MODEL: 930H

No Action Required

CUSTOMER EQUIP NUM: RITCHIE COMPANY NAME: RITCHIE EQUIPMENT, INC.

COMPARTMENT NAME: RADIATOR SERIAL NUMBER: DHC00757

MANUFACTURER: CATERPILLAR

FLUID TYPE: UNKNOWN

FLUID BRAND/WEIGHT SAMPLE LABEL NUM

COMP MANUFACTURER COMPARTMENT MODEL

EXT WARR EXPIRE DATE

COMP SERIAL NUM

SHOP JOB NUM

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

FLUID CHANGED MAKE UP FLUID MAKE UP FLUID UNITS

D100-50232-1006 ALL TESTS APPEAR NORMAL FOR THIS COOLANT. SAMPLE AGAIN AT REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM 19-Aug-2020 19-Aug-2020 13913 HR

D100-50232-1006	Data
107	BP BP
-36	Ŧ
49	ଜ
7.4	모
4103	CON

D100-50232-1008	Data
428	NO2
потт	Odor
<u>8</u>	Color
clear	Арр
nom	Foam
поле	OII
поле	PAmt

CON = Conductivity, App = Appearance, PAmt = Precipitate Amount, PApp = Precipitate Appearance, PCol = Precipitate Color, PProp = Precipitate Property, CType = Coolant Type AI = 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, SiO3 = Silicate, TH = Total Hardness, CL = Chloride, CO3 = Carbonate, GLO = Glycolate, NO2 = Niirite, NO3 = Niirite, PO4 = Phosphate, SAC = Sebacic Acid, SO4 = Sulfate, TT = Tolytriazole, BP = Boil Point("C), FP = Freeze Point("C), GL = Glycol, The Carbonate of the

PRINCETON, WV 24740 P.O. BOX 1588 PAUL BARNETTE RITCHIE EQUIPMENT, INC. FAX: 304-325-6525

CUSTOMER EQUIP NUM; RITCHIE

COMPARTMENT NAME: TRANSMISSION POWER SHIFT

COMPANY NAME: RITCHIE EQUIPMENT, INC.

SERIAL NUMBER DHC00757

MANUFACTURER CATERPILLAR

COMP MANUFACTURER:

COMPARTMENT MODEL:

COMP SERIAL NUM:

SHOP JOB NUM:

SAMPLE LABEL NUM: NO INFO GIVEN

FLUID BRAND/WEIGHT: FLUID TYPE:

EXT WARR EXPIRE DATE:

FUEL CONSUMED

Salem, VA 24153-5457 Fluids Analysis Laboratory 1330 Lynchburg Turnpike

www.cartermachinery.com 540-387-1111

No Action Required

D100-50232-0116 LAB CONTROL NUMBER

SAMPLE DATE

PROCESS DATE

EQUIPMENT METER 13913 HR

METER ON FLUID

FLUID CHANGED Unknown

MAKE UP FLUID

MAKE UP FLUID UNITS

FILTER CHANGED

19-Aug-2020

EXT WARR NUMBER

JOB SITE MODEL 930H

17-Aug-2020

SAMPLE SHIP TIME (days) SAMPLE TYPE: OIL

PHONE: 304-325-6525

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

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	NI Ag TI	=	

0100-50232-0118	Particle Count (ctml)
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22/19/15	IBO
24768	4
3142	ę
525	10µ
172	14 _µ
97	18µ
73	21μ
20	36µ
co	50 <u>F</u>

Oil Condition

PRINCETON, WVA P O BOX 1085 RITCH PRESERVATI

SAMPLE TYPE: OIL PHONE: 304-325-8195 FAX:

SAMPLE SHIP TIME (days)

D100-50232-0103

LAB CONTROL NUMBER

SAMPLE DATE

PROCESS DATE

EQUIPMENT METER

METER ON FLUID

Unknown

13913 HR

19-Aug-2020

17-Aug-2020

CUSTOMER EQUIP NUM : RITCHE COMPARTMENT NAME: HYDRAULIC SYSTEM

COMPANY NAME : RITCHIE EQUIPMENT, INC.

MANUFACTURER : CATERPILLAR SERIAL NUMBER: DHC00757

JOB SITE MODEL : 930H

EXT WARR NUMBER

Monitor Compartment HIGH WATER CONCENTRATION (>1% H20). OTHER READINGS APPEAR TO BE NORMAL. CHANGE OIL IN COMPARTMENT. CHECK POSSIBLE SOURCES OF CONTAMINATION. SHORT SAMPLE TO MONITOR COMPARTMENT.

EXT WARR EXPIRE DATE:

COMP MANUFACTURER: COMPARTMENT MODEL: COMP SERIAL NUM:

SHOP JOB NUM:

FLUID BRAND/WEIGHT FLUID TYPE:

SAMPLE LABEL NUM: NO INFO GIVEN

FUEL CONSUMED

540-387-1111 Salem, VA 24153-5457 1330 Lynchburg Turnpike Fluids Analysis Laboratory

SUMED:	'MANA	www.cartermachinery.com
FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS

FILTER CHANGED

Wear Metals (ppn)	C _L	z.	ភ្	≥	끃	s	œ	2	~	80	#6	₹	PA	==	_	•
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D100-50232-0103	Oil Condition / Particle Count (ctim))
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H20	ISO