

**RITCHIE EQUIPMENT, INC.**  
**PAUL BARNETTE**  
**P.O. BOX 1588**  
**PRINCETON, WV 24740**

COMPANY NAME : RITCHIE EQUIPMENT, INC.  
 CUSTOMER EQUIP NUM : 2815  
 COMPARTMENT NAME : ENGINE  
 SERIAL NUMBER : JS9284  
 MANUFACTURER : UNKNOWN  
 MODEL : 4300\_UNKNOWN  
 JOB SITE :  
 EXT WARR NUMBER :

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 :



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

FAX: 304-325-6525  
 PHONE: 304-325-6525  
 SAMPLE TYPE: **OIL**  
 SAMPLE SHIP TIME (days) : 2

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
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D100-50234-0164	19-Aug-2020	21-Aug-2020	1857 HR		No			
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**Monitor Compartment** ON A FIRST SAMPLE BASIS ALUMINUM IS HIGH. OTHER READINGS APPEAR TO BE NORMAL. CHECK POSSIBLE SOURCES OF CONTAMINATION. SHORT SAMPLE TO MONITOR COMPARTMENT.

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ti	V	Ca	Mg	Zn	P
D100-50234-0164	1	12	1	18	0	1	8	22	4	17	53	0	0	0	1	1006	852	1084	932

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100
D100-50234-0164	7	15	6	21	N	N	N	12.5

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 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

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.