

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id HC2220 Component 1 Winch Fluid GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

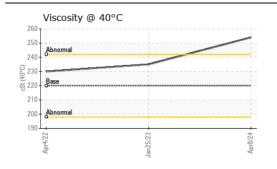
There is no indication of any contamination in the oil.

FLUID CONDITION

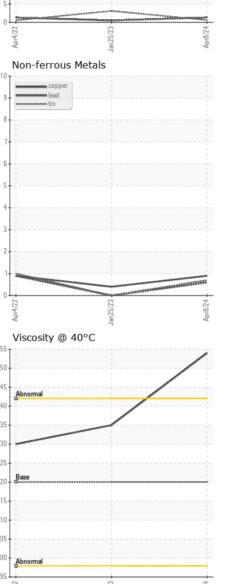
The condition of the oil is acceptable for the time in service.

TestUOMMethodLimit/AbnCurrentHistory1HistorSample NumberClient InfoWC0823388WC0746553WC067Sample DateClient Info08 Apr 202425 Jan 202304 AprMachine AgehrsClient Info30101235677	,
Sample Date Client Info 08 Apr 2024 25 Jan 2023 04 Apr	1519
Machine Age hrs Client Info 3010 1235 677	2022
Oil Age hrs Client Info 1000 0 0	
Filter Age hrs Client Info 0 0 0	
Oil Changed Client Info Changed Changed Changed	jed
Filter Changed Client Info N/A Changed Changed	jed
Sample Status NORMAL ABNORMAL NORM	/IAL
Iron ppm ASTM D5185m >150 57 40 58	
Nickel ppm ASTM D5185m >10 <1	
Silver ppm ASTM D5185m 0 0 0	
Aluminum ppm ASTM D5185m >5 3 0 <1	
Lead ppm ASTM D5160m >3 3 0 <1	
Copper ppm ASTM D5163m >10 <1	
Tin ppm ASTM D5185m <1	
Vanadium ppm ASTM 05165m <1	
	NE
	NE
Silicon ppm ASTM D5185m >25 10 2 2	
Potassium ppm ASTM D5185m >20 3 6	
Water WC Method >0.2 NEG NEG NE	G
Silt scalar *Visual NONE MODER NONE NO	NE
Debris scalar *Visual NONE NONE VLITE NO	NE
Sand/Dirt scalar *Visual NONE NONE NONE NO	NE
Phone in the second sec	RML
	RML
Emulsified Water scalar *Visual >0.2 NEG NEG NE	G
Sodium ppm ASTM D5185m 4 5 4	
Boron ppm ASTM D5185m 50 <1	
Barium ppm ASTM D5185m 15 2 0 0	
Molybdenum ppm ASTM D5185m 15 <1	
Manganese ppm ASTM D5185m 2 <1	
Magnesium ppm ASTM D5185m 50 2 <1	
Calcium ppm ASTM D5185m 50 10 3 6	
Phosphorus ppm ASTM D5185m 350 261 57 33	
Zinc ppm ASTM D5185m 100 19 13 18	
Sulfur ppm ASTM D5185m 12500 2505 2400 208	31
Visc @ 40°C cSt ASTM D445 220 254 235 230)

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Ferrous Alloys 60 55 50 40 40 3! ۲<u>ط</u> 30 25 1! 10 0. :0/2Cus Non-ferrous Metals 10 lead maa an 75/7 Viscosity @ 40°C 255 250 24! Abnorm 240 23 230 ()_0+) 225 ŝ 220 21! 210 205 200 Ab 195 Apr8/24 Jan25/23 Dr



BUCKNER HEAVY LIFT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0823388 Received : 15 Apr 2024 4732 NC 54 EAST Lab Number : 06149027 Tested GRAHAM, NC : 16 Apr 2024 Unique Number : 10979105 Diagnosed : 17 Apr 2024 - Sean Felton US 27253-9215 Test Package : CONST Contact: MICHAEL LAWSON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. michaell@bucknercompanies.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)376-8888 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)376-4090

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