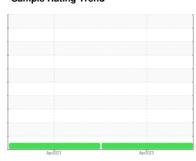


OIL ANALYSIS REPORT

Sample Rating Trend







S23 Component **Fluid** {not provided} (--- GAL)

Machine Id

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION method limit/base currer Sample Number Client Info WC05819 Sample Date Client Info 10 Apr 20 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base currer Water WC Method NEG WEAR METALS method limit/base currer Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0	276 WC05817969 23 04 Apr 2023 0 N/A NORMAL ht history1 history2 NEG
Sample Number Client Info WC05819 Sample Date Client Info 10 Apr 20 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base CONTAMINATION method limit/base WEAR METALS method limit/base curre WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m	276 WC05817969 23 04 Apr 2023 0 N/A NORMAL nt history1 history2 NEG nt history1 history2 0 0 0 0
Sample Date Client Info 10 Apr 20 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL NORMAL CONTAMINATION method limit/base curre Water WC Method NEG WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method </td <td>23 04 Apr 2023 </td>	23 04 Apr 2023
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base Water WC Method NEG WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method <td>0 0 N/A N/A NORMAL nt history1 history2 NEG nt history1 history2 6 0 0</td>	0 0 N/A N/A NORMAL nt history1 history2 NEG nt history1 history2 6 0 0
Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base curre Water WC Method NEG WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron <td>0 N/A NORMAL nt history1 history2 NEG nt history1 history2 6 0 0</td>	0 N/A NORMAL nt history1 history2 NEG nt history1 history2 6 0 0
Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base curre Water WC Method NEG WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron	N/A NORMAL nt history1 history2 NEG nt history1 history2 6 0 0
Sample Status NORMAL CONTAMINATION method limit/base curre Water WC Method NEG WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	NORMAL nt history1 history2 NEG nt history1 history2 6 0 0
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Water WC Method NEG WEAR METALS method limit/base curre Iron ppm ASTM D5185m 0 Chromium ppm ASTM D5185m 0 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m 0 Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	NEG nt history1 history2 6 0 0
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Copper ppm ASTM D5185m 0 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
ADDITIVES method limit/base curre Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 0	nt history1 history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	0
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m <1	0
Magnesium ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 0	0
Calcium ppm ASTM D5185m 0	<1
P	0
Phosphorus ppm ASTM D5185m 3	0
	0
Zinc ppm ASTM D5185m 0	0
Sulfur ppm ASTM D5185m 0	<1
CONTAMINANTS method limit/base curre	nt history1 history2
Silicon ppm ASTM D5185m 0	0
Sodium ppm ASTM D5185m 0	0
Potassium ppm ASTM D5185m >20 <1	0
SAMPLE IMAGES method limit/base curre	0
Color no imag	
Bottom no imag	nt history1 history2



OIL ANALYSIS REPORT



Certificate 12367

Sample No. : WC05819276

Lab Number : 05819276 $\textbf{Unique Number} \quad : 10427359$

Laboratory: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Apr 2023 Tested : 17 Apr 2023

Diagnosed : 18 Apr 2023 - Jonathan Hester

MIDLAND, MI US 48642 Contact: BRYAN DOLE bdole@xaerusfluids.com T:

XAERUS FLUIDS

2825 SCHUETTE RD

Test Package : TEST (Additional Tests: ICP) To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: BRYAN DOLE - XAEMID

F: