

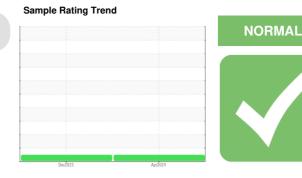
OIL ANALYSIS REPORT

WEST CRANE 170832 (S/N GH-9141B)

Hoist

Fluid

{not provided} (--- GAL)



DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

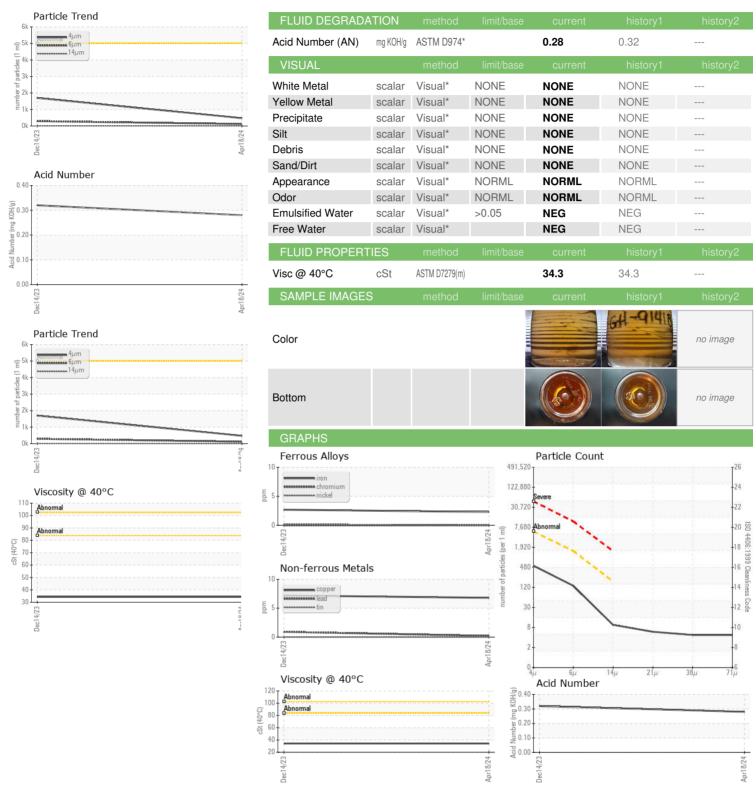
Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP	PP	
Sample Date		Client Info		18 Apr 2024	14 Dec 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>171	2	3	
Chromium	ppm	ASTM D5185(m)	>4	0	0	
Nickel	ppm	ASTM D5185(m)	>4	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	ASTM D5185(m)	>7	0	0	
Lead	ppm	ASTM D5185(m)	>87	<1	<1	
Copper	ppm	ASTM D5185(m)	>95	7	7	
Tin	ppm	ASTM D5185(m)	>5	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		1	1	
Barium	ppm	ASTM D5185(m)		0	<1	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Molybdenum Manganese	ppm	ASTM D5185(m) ASTM D5185(m)		0	0	
		. ,				
Manganese	ppm	ASTM D5185(m)		0	0	
Manganese Magnesium	ppm ppm	ASTM D5185(m) ASTM D5185(m)		0 5	0 5	
Manganese Magnesium Calcium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 5 64	0 5 66	
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 5 64 230	0 5 66 234	
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 5 64 230 271	0 5 66 234 279	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 5 64 230 271 2620	0 5 66 234 279 2666	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	0 5 64 230 271 2620 <1	0 5 66 234 279 2666 <1	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)		0 5 64 230 271 2620 <1	0 5 66 234 279 2666 <1	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD METHOD ASTM D5185(m)		0 5 64 230 271 2620 <1 current	0 5 66 234 279 2666 <1 history1	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	>32	0 5 64 230 271 2620 <1 current 1	0 5 66 234 279 2666 <1 history1 3	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD METHOD ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>32	0 5 64 230 271 2620 <1 current 1 0 <1	0 5 66 234 279 2666 <1 history1 3 <1 0	history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) MASTM D5185(m) MASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>32 >20 limit/base	0 5 64 230 271 2620 <1 current 1 0 <1	0 5 66 234 279 2666 <1 history1 3 <1 0 history1	history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD METHOD ASTM D5185(m)	>32 >20 limit/base >5000	0 5 64 230 271 2620 <1 current 1 0 <1 current 473	0 5 66 234 279 2666 <1 history1 3 <1 0 history1 1697	history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD METHOD ASTM D5185(m)	>32 >20 limit/base >5000 >1300 >160	0 5 64 230 271 2620 <1 current 1 0 <1 current 473 119	0 5 66 234 279 2666 <1 history1 3 <1 0 history1 1697 294	history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD ASTM D5185(m) ASTM D7647 ASTM D7647	>32 >20 limit/base >5000 >1300 >160	0 5 64 230 271 2620 <1 current 1 0 <1 current 473 119 8	0 5 66 234 279 2666 <1 history1 3 <1 0 history1 1697 294 11	history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD ASTM D5185(m) METHOD ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	>32 >20 limit/base >5000 >1300 >160 >40 >10	0 5 64 230 271 2620 <1 current 1 0 <1 current 473 119 8 5	0 5 66 234 279 2666 <1 history1 3 <1 0 history1 1697 294 11 2	history2 history2

Contact/Location: Michelle Jefford - HIBSTJ



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: PP Lab Number : 02630362 Unique Number : 5763494 Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received **Tested**

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: 19 Apr 2024 : 22 Apr 2024 Diagnosed : 22 Apr 2024 - Kevin Marson

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