



OIL ANALYSIS REPORT

Sample Rating Trend

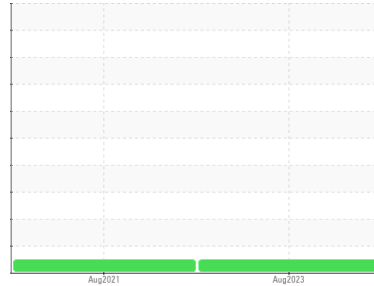
NORMAL



Machine Id
PROVISION CRANE (S/N SP222862)

Component
Port Hydraulic System

Fluid
MOBIL DTE 10 EXCEL 46 (200 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MAR 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid. this testkit includes AN to determine the suitability of the oil for continued use.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component(unconfirmed).

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0754030	WC0587321	---
Sample Date	Client Info		13 Aug 2023	04 Aug 2021	---
Machine Age	hrs	Client Info	531	519	---
Oil Age	hrs	Client Info	531	519	---
Oil Changed	Client Info		Not Changed	Not Changed	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	2	1	---
Chromium	ppm	ASTM D5185(m) >10	0	0	---
Nickel	ppm	ASTM D5185(m) >10	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >10	0	0	---
Lead	ppm	ASTM D5185(m) >10	<1	<1	---
Copper	ppm	ASTM D5185(m) >75	<1	<1	---
Tin	ppm	ASTM D5185(m) >10	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	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m)	<1	<1	---
Calcium	ppm	ASTM D5185(m)	95	98	---
Phosphorus	ppm	ASTM D5185(m)	433	431	---
Zinc	ppm	ASTM D5185(m)	36	34	---
Sulfur	ppm	ASTM D5185(m)	1641	1674	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

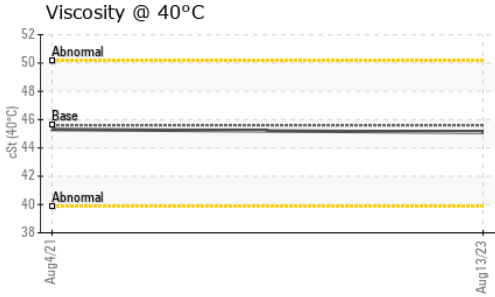
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<1	<1	---
Sodium	ppm	ASTM D5185(m)	1	<1	---
Potassium	ppm	ASTM D5185(m) >20	<1	<1	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	NONE	NONE	---
Yellow Metal	scalar	Visual* NONE	NONE	NONE	---
Precipitate	scalar	Visual* NONE	NONE	NONE	---
Silt	scalar	Visual* NONE	NONE	NONE	---
Debris	scalar	Visual* NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual* NONE	NONE	NONE	---
Appearance	scalar	Visual* NORML	NORML	NORML	---
Odor	scalar	Visual* NORML	NORML	NORML	---
Emulsified Water	scalar	Visual* >0.1	NEG	NEG	---
Free Water	scalar	Visual*	NEG	NEG	---



OIL ANALYSIS REPORT

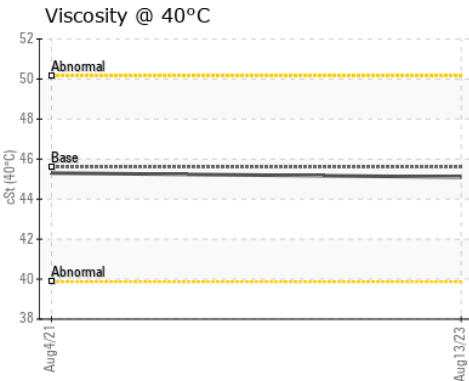
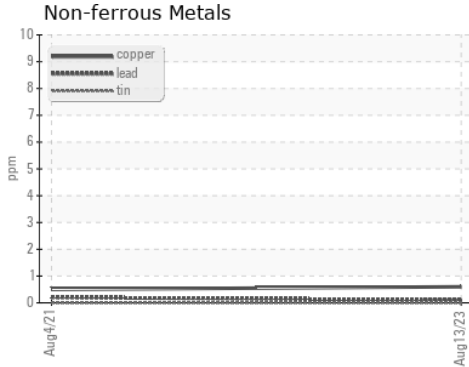
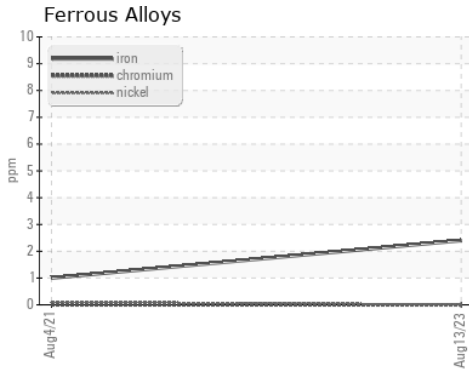


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	45.6	45.1	45.3	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color						no image
Bottom						no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Horizon Maritime Services Ltd. - Horizon Enabler
Sample No. : WC0754030 **Received** : 06 Sep 2023 87 Water Street, 2nd Floor
Lab Number : 02580690 **Diagnosed** : 06 Sep 2023 St. John's, NL
Unique Number : 5633750 **Diagnostician** : Kevin Marson CA A1C 1A5
Test Package : MAR 1 **Contact:** Andrew Whalen

To discuss this sample report, contact Customer Service at 1-800-268-2131. chiefeng.enabler@horizonmaritime.com
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:
 Validity of results and interpretation are based on the sample and information as supplied. F: