



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
Hanging Deck Hydraulics
 Component
Hydraulic System
 Fluid
TOTAL FINA EQUIVIS SMG ISO 32 (460 LTR)

RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

WEAR

All component wear rates are normal.

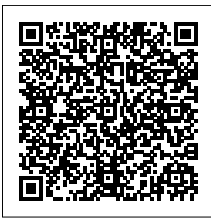
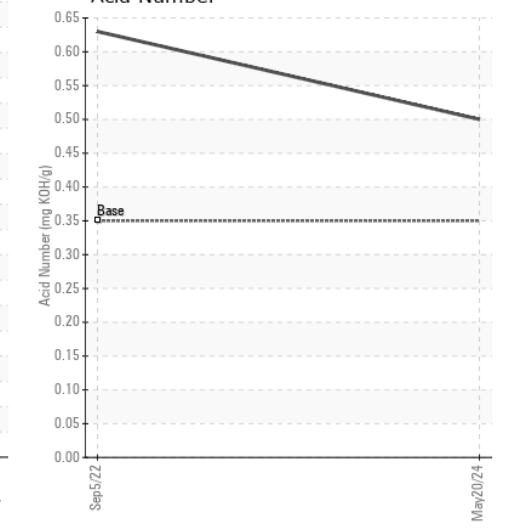
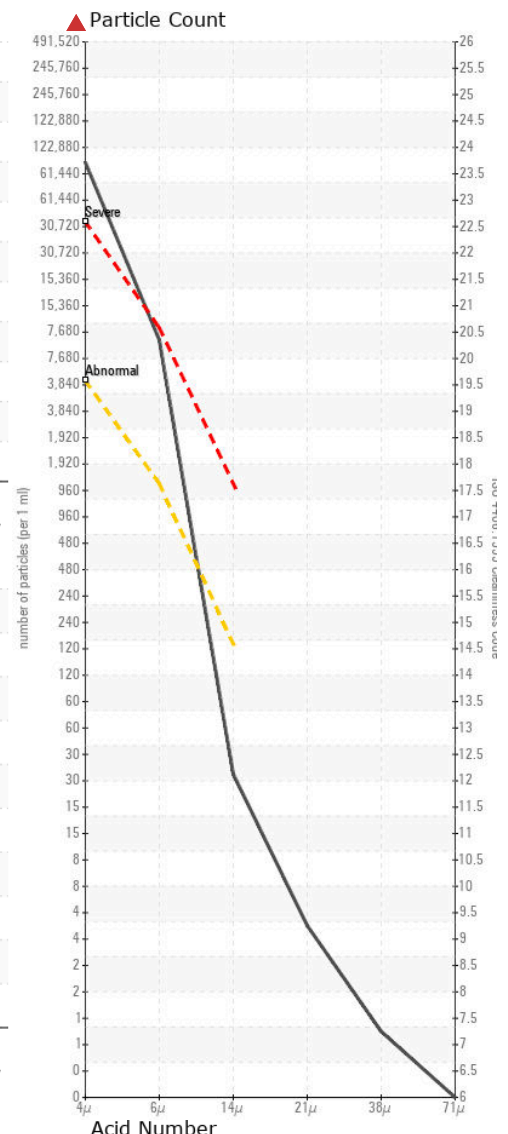
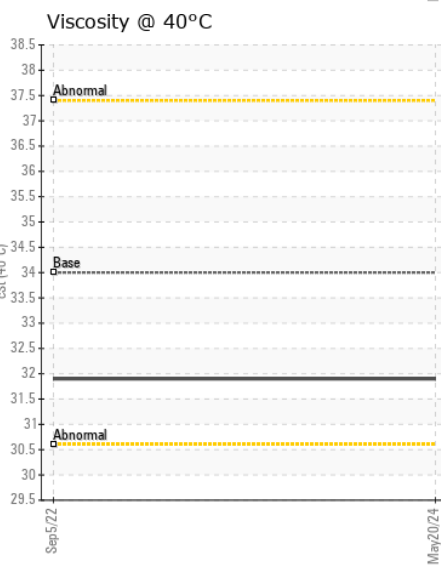
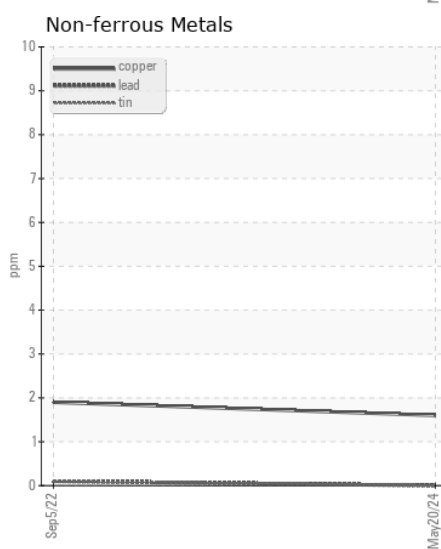
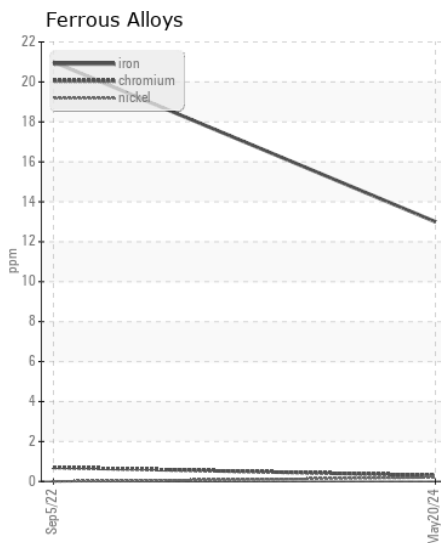
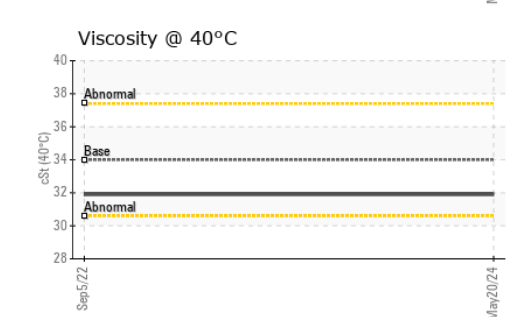
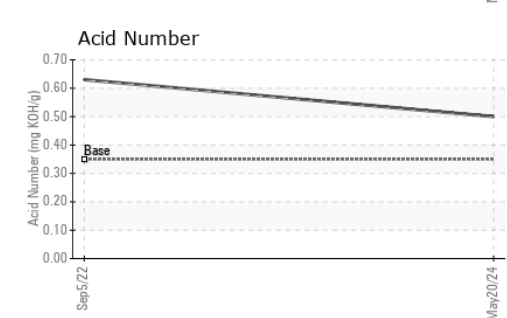
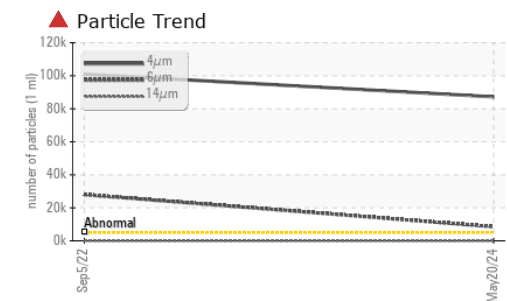
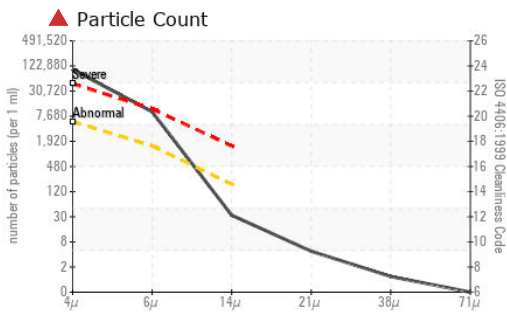
CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861276	WC0738847	---
Sample Date		Client Info		20 May 2024	05 Sep 2022	---
Machine Age	yrs	Client Info		0	0	---
Oil Age	yrs	Client Info		0	0	---
Filter Age	yrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	SEVERE	---
Iron	ppm	ASTM D5185(m)	>20	13	21	---
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	---
Lead	ppm	ASTM D5185(m)	>20	0	<1	---
Copper	ppm	ASTM D5185(m)	>20	2	2	---
Tin	ppm	ASTM D5185(m)	>10	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>15	<1	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 87215	▲ 100905	---
Particles >6µm		ASTM D7647	>1300	▲ 8526	▲ 27978	---
Particles >14µm		ASTM D7647	>160	29	29	---
Particles >21µm		ASTM D7647	>40	4	2	---
Particles >38µm		ASTM D7647	>10	1	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/20/12	▲ 24/22/12	---
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*	>0.05	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		1	2	---
Boron	ppm	ASTM D5185(m)		2	<1	---
Barium	ppm	ASTM D5185(m)		<1	0	---
Molybdenum	ppm	ASTM D5185(m)		<1	0	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		6	1	---
Calcium	ppm	ASTM D5185(m)		117	153	---
Phosphorus	ppm	ASTM D5185(m)		414	506	---
Zinc	ppm	ASTM D5185(m)		457	443	---
Sulfur	ppm	ASTM D5185(m)		2757	3873	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.35	0.50	0.63	---
Visc @ 40°C	cSt	ASTM D7279(m)	34.0	31.9	31.9	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0861276
Lab Number : 02643414
Unique Number : 5800953
Test Package : MAR 2
Received : 21 Jun 2024
Tested : 24 Jun 2024
Diagnosed : 24 Jun 2024 - Wes Davis

CANSHIP UGLAND - SVANOY
 1315 TOPSAIL ROAD, PO BOX 8040 STN A
 ST JOHNS, NL
 CA AIB 3M7
 Contact: Guillaume Bernier
 gbernier@canship.com

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