



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
BIO OIL DECK
 Component
New (Unused) Oil
 Fluid
CEPSA STERNA BIO (200 LTR)

RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. 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 AN to determine the suitability of the oil for continued use.

WEAR

{not applicable}

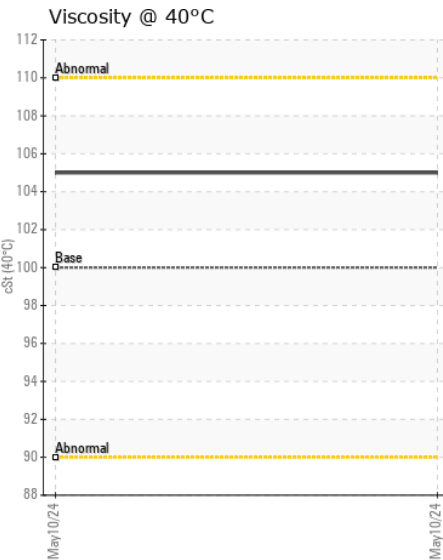
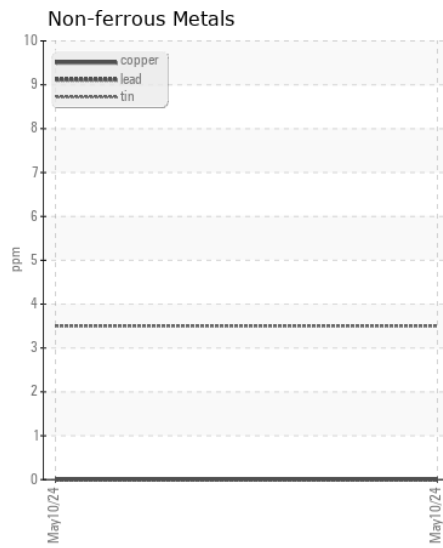
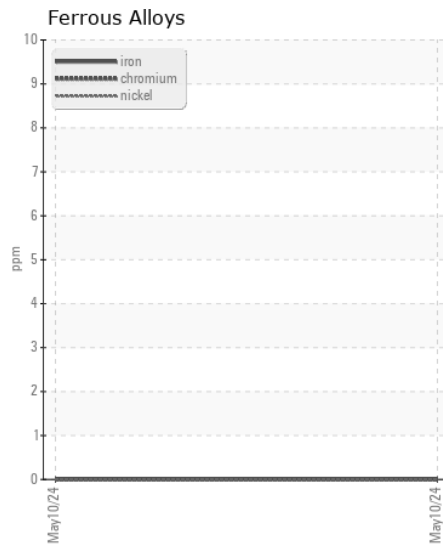
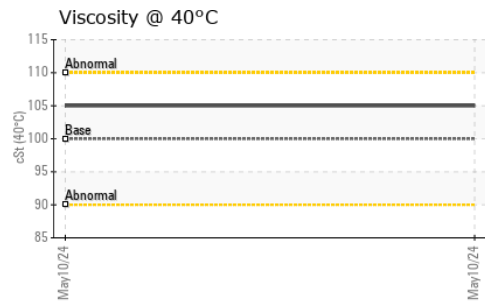
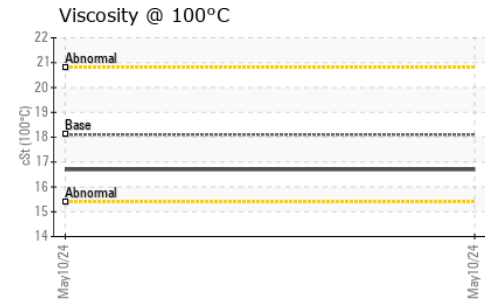
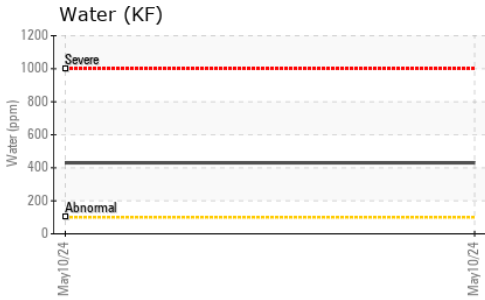
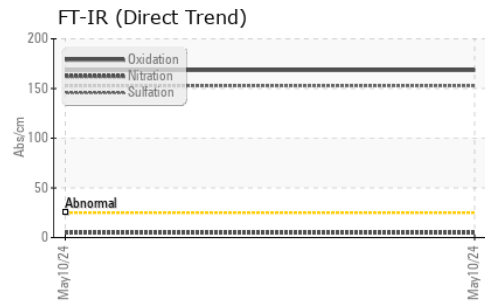
CONTAMINATION

Free water present.

FLUID CONDITION

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		WC0935641	---	---
Sample Date		Client Info		10 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)		0	---	---
Chromium	ppm	ASTM D5185(m)		0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		3	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		2	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		0	---	---
Tin	ppm	ASTM D5185(m)		4	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)		<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water	%	ASTM D6304*		0.042	---	---
ppm Water	ppm	ASTM D6304*		430	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		4.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*		152.6	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	WGOIL	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		<1	---	---
Calcium	ppm	ASTM D5185(m)		<1	---	---
Phosphorus	ppm	ASTM D5185(m)		330	---	---
Zinc	ppm	ASTM D5185(m)		1	---	---
Sulfur	ppm	ASTM D5185(m)		720	---	---
Oxidation	Abs/.1mm	ASTM D7414*		168.4	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	100	105	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	18.1	16.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	202	172	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Horizon Maritime Services Ltd. - Dragon**
Sample No. : WC0935641 **Received** : 16 May 2024 422 Main Street
Lab Number : 02636180 **Tested** : 21 May 2024 Mulgrave, NS
Unique Number : 5785342 **Diagnosed** : 21 May 2024 - Kevin Marson CA B0E 2G0
Test Package : MAR 1 (Additional Tests: Bottom, CENTRIFUGE(WARD), FT-IR, ICP-NewOil, KF, KV, Viscosity) **Contact**: Service Manager

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.

T:
F: