



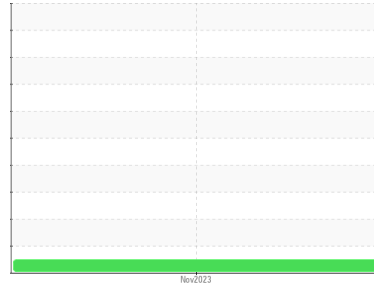
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Preparation-Prep EB MILL
 Machine Id
[Preparation-Prep EB MILL] EB
 Component
Gearbox
 Fluid
SHELL OMALA S2 GX 460 (--- LTR)



DIAGNOSIS

- Recommendation**
 Resample at the next service interval to monitor.
- Wear**
 All component wear rates are normal.
- Contamination**
 There is no indication of any contamination in the oil.
- Fluid Condition**
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	TLC05998146	---	---
Sample Date	Client Info	04 Nov 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	11	---	---
Iron	ppm ASTM D5185m >200	10	---	---
Chromium	ppm ASTM D5185m >15	<1	---	---
Nickel	ppm ASTM D5185m >15	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	2	---	---
Lead	ppm ASTM D5185m >100	0	---	---
Copper	ppm ASTM D5185m >200	2	---	---
Tin	ppm ASTM D5185m >25	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6.2	0	---	---
Barium	ppm ASTM D5185m 0.0	19	---	---
Molybdenum	ppm ASTM D5185m 0	0	---	---
Manganese	ppm ASTM D5185m	0	---	---
Magnesium	ppm ASTM D5185m 0	51	---	---
Calcium	ppm ASTM D5185m 0.0	11	---	---
Phosphorus	ppm ASTM D5185m 290	272	---	---
Zinc	ppm ASTM D5185m 3.8	308	---	---
Sulfur	ppm ASTM D5185m 8167	643	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<1	---	---
Sodium	ppm ASTM D5185m	0	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---

FLUID DEGRADATION

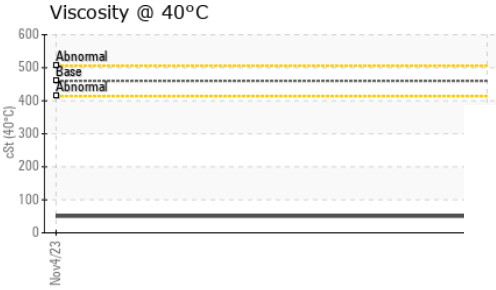
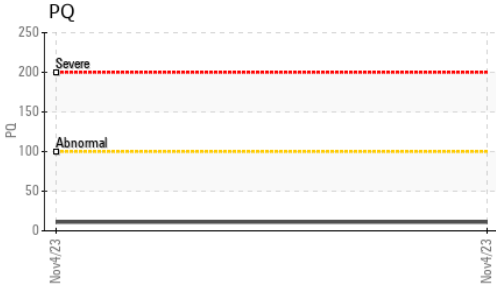
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.28	---	---

VISUAL


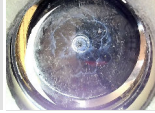
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	---	---
Yellow Metal	scalar *Visual NONE	NONE	---	---
Precipitate	scalar *Visual NONE	NONE	---	---
Silt	scalar *Visual NONE	NONE	---	---
Debris	scalar *Visual NONE	NONE	---	---
Sand/Dirt	scalar *Visual NONE	NONE	---	---
Appearance	scalar *Visual NORML	NORML	---	---
Odor	scalar *Visual NORML	NORML	---	---
Emulsified Water	scalar *Visual >0.2	NEG	---	---
Free Water	scalar *Visual	NEG	TERRICK PRESLEY	MICAND



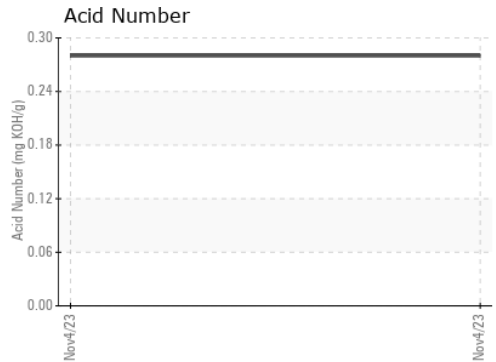
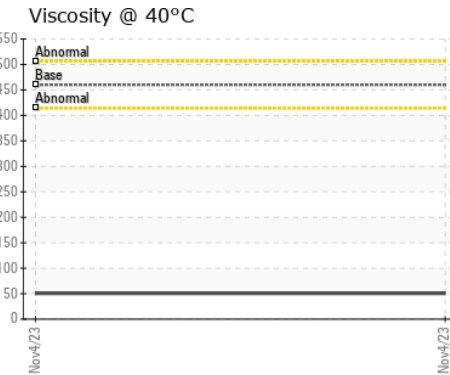
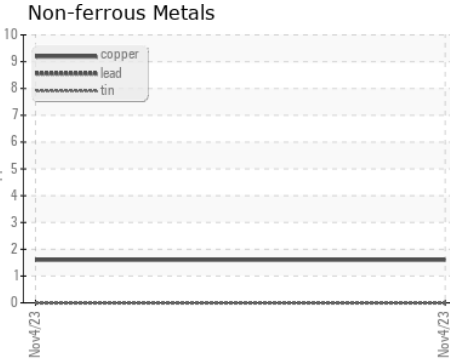
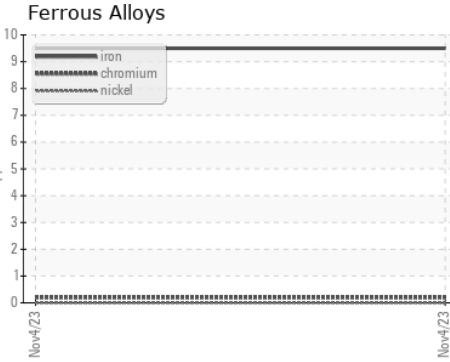
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 460	50.5	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLC05998146 **Received** : 03 Nov 2023
Lab Number : 05998146 **Diagnosed** : 07 Nov 2023
Unique Number : 10726506 **Diagnostician** : Jonathan Hester
Test Package : PLANT (Additional Tests: PrtCount)

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)

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