



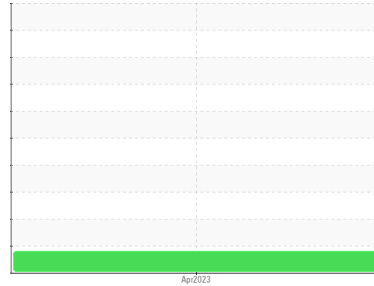
PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY



Area
UNKNOWN AREA
 Machine Id
[UNKNOWN AREA] SHELL OMALA S2 GX 460 - TLC0001192
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)

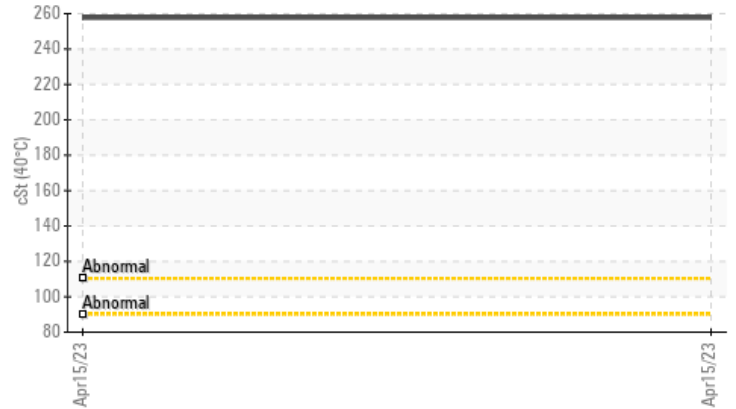


COMPONENT CONDITION SUMMARY

▲ Viscosity @ 100°C



▲ Viscosity @ 40°C



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Visc @ 40°C	cSt	ASTM D445	▲ 257.7	---	---
Visc @ 100°C	cSt	ASTM D445	▲ 20.89	---	---

Customer Id: MICAND
 Sample No.: TLC0001192
 Lab Number: 05853657
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
UNKNOWN AREA
 Machine Id
[UNKNOWN AREA] SHELL OMALA S2 GX 460 - TLC0001192
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Fluid Condition

Viscosity of sample indicates oil is within ISO 220 range, advise investigate.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	TLC0001192	---	---
Sample Date	Client Info	15 Apr 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	21	---	---
Iron	ppm ASTM D5185m >5	3	---	---
Chromium	ppm ASTM D5185m >5	0	---	---
Nickel	ppm ASTM D5185m >5	<1	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m >5	1	---	---
Aluminum	ppm ASTM D5185m >5	0	---	---
Lead	ppm ASTM D5185m >5	0	---	---
Copper	ppm ASTM D5185m >5	<1	---	---
Tin	ppm ASTM D5185m >5	<1	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	108	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	<1	---	---
Manganese	ppm ASTM D5185m	0	---	---
Magnesium	ppm ASTM D5185m	2	---	---
Calcium	ppm ASTM D5185m	5	---	---
Phosphorus	ppm ASTM D5185m	573	---	---
Zinc	ppm ASTM D5185m	8	---	---
Sulfur	ppm ASTM D5185m	17834	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<1	---	---
Sodium	ppm ASTM D5185m	1	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	1.01	---	---

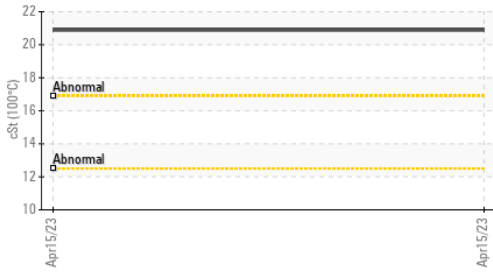
VISUAL

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	NEG	---	---
Free Water	scalar *Visual	NEG	---	---





OIL ANALYSIS REPORT

▲ Viscosity @ 100°C

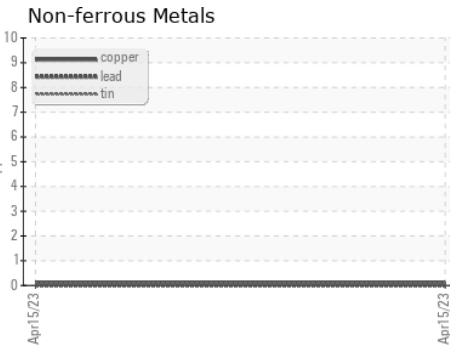
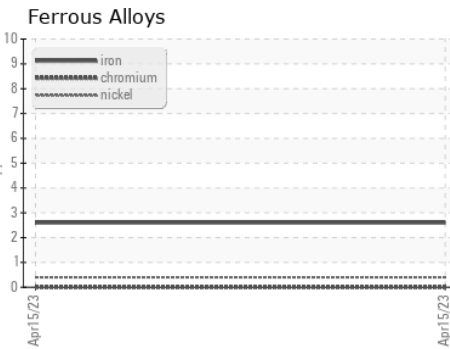


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 257.7	---	---
Visc @ 100°C	cSt	ASTM D445	▲ 20.89	---	---
Viscosity Index (VI)	Scale	ASTM D2270	95	---	---

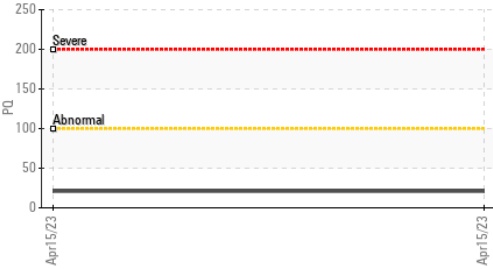
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

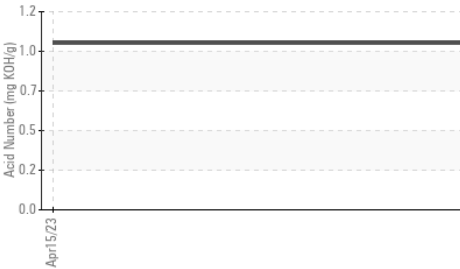
GRAPHS



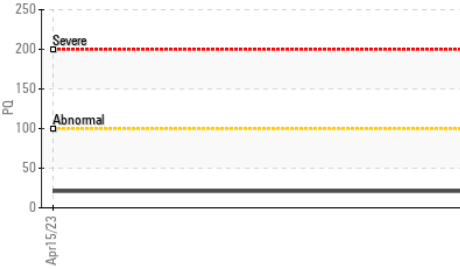
PQ



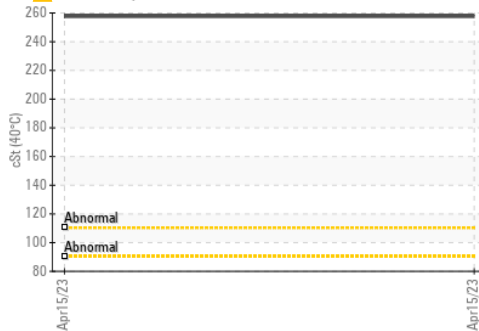
Acid Number



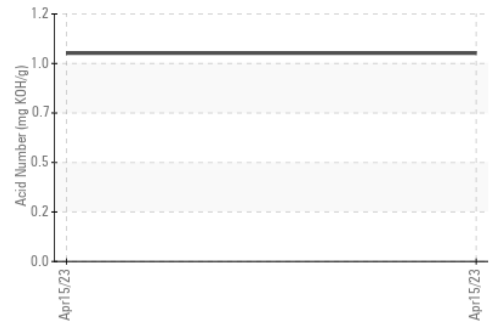
PQ



▲ Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLC0001192 **Received** : 22 May 2023
Lab Number : 05853657 **Diagnosed** : 24 May 2023
Unique Number : 10483012 **Diagnostician** : Jonathan Hester
Test Package : PLANT (Additional Tests: FT-IR, ICP-NewOil, KV100, VI)

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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