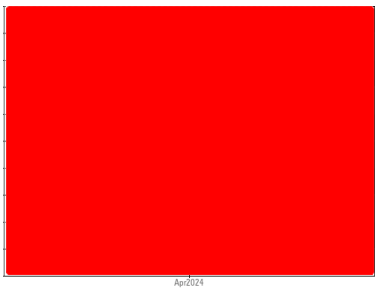
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
TEREX 3307 D15
Component
Power Take Off
Fluid
GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear
The iron level and chrome levels are severe. Gear wear is indicated.

Contamination
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition
The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0118460**	---	---
Sample Date		Client Info		**16 Apr 2024**	---	---
Machine Age	hrs	Client Info		**13021**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**Changed**	---	---
Sample Status				**SEVERE**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	▲ **838**	---	---
Chromium	ppm	ASTM D5185m	>10	▲ **39**	---	---
Nickel	ppm	ASTM D5185m		▲ **22**	---	---
Titanium	ppm	ASTM D5185m		**1**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>50	● **49**	---	---
Lead	ppm	ASTM D5185m	>50	**6**	---	---
Copper	ppm	ASTM D5185m	>200	**2**	---	---
Tin	ppm	ASTM D5185m	>10	**<1**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	**37**	---	---
Barium	ppm	ASTM D5185m	200	**0**	---	---
Molybdenum	ppm	ASTM D5185m	12	**3**	---	---
Manganese	ppm	ASTM D5185m		**11**	---	---
Magnesium	ppm	ASTM D5185m	12	**43**	---	---
Calcium	ppm	ASTM D5185m	150	**352**	---	---
Phosphorus	ppm	ASTM D5185m	1650	**445**	---	---
Zinc	ppm	ASTM D5185m	125	**103**	---	---
Sulfur	ppm	ASTM D5185m	22500	**14555**	---	---

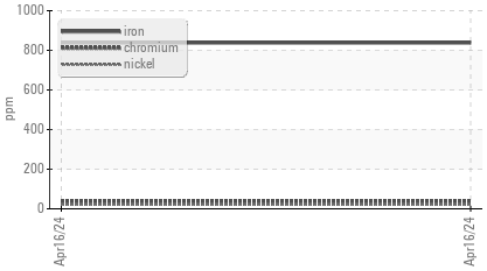
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	▲ **56**	---	---
Sodium	ppm	ASTM D5185m	>170	**7**	---	---
Potassium	ppm	ASTM D5185m	>20	**2**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.00	**0.42**	---	---

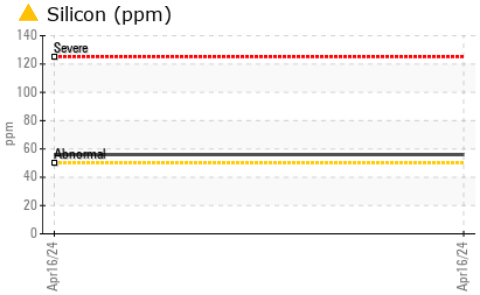
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Ferrous Alloys



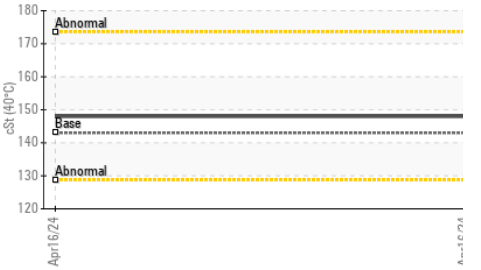
Silicon (ppm)



Aluminum (ppm)

Acid Number

Viscosity @ 40°C



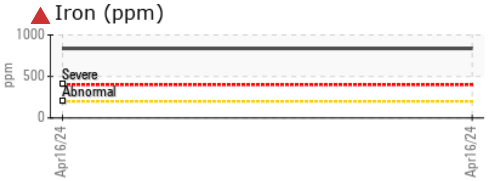
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	143	**148**	---	---

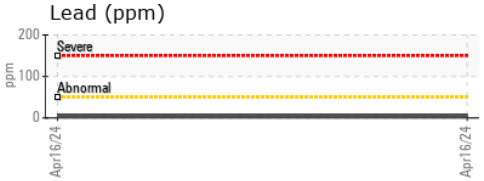
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

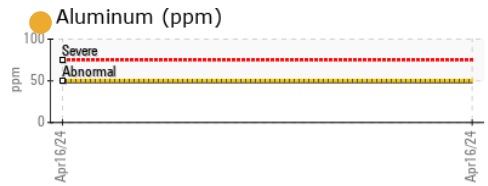
Iron (ppm)



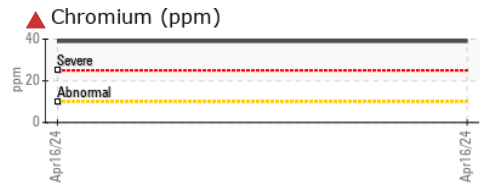
Lead (ppm)



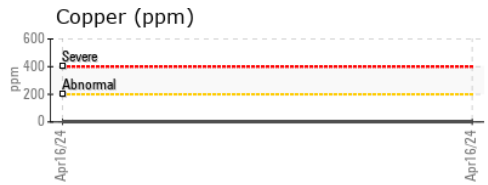
Aluminum (ppm)



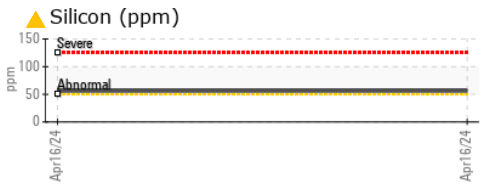
Chromium (ppm)



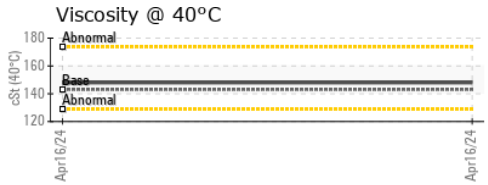
Copper (ppm)



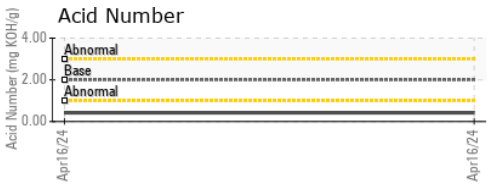
Silicon (ppm)



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118460
Lab Number : 06157827
Unique Number : 10993250
Test Package : MOB 2

Received : 23 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 25 Apr 2024 - Don Baldridge

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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US 43938
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T:
F:

Report Id: SCRMIN [WUSCAR] 06157827 (Generated: 04/25/2024 14:17:52) Rev: 1

Contact/Location: STAN MANN - SCRMIN