



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Area

Contracting

Machine Id

4205 4205

Component

Front Vibratory Drum Gearbox

Fluid

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0937937	---	---
Sample Date		Client Info		11 Jun 2024	---	---
Machine Age	hrs	Client Info		1073	---	---
Oil Age	hrs	Client Info		425	---	---
Filter Age	hrs	Client Info		425	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				MARGINAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	17	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		<1	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		2	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

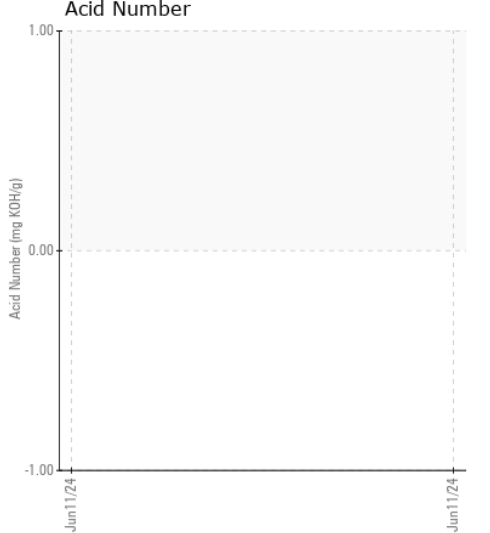
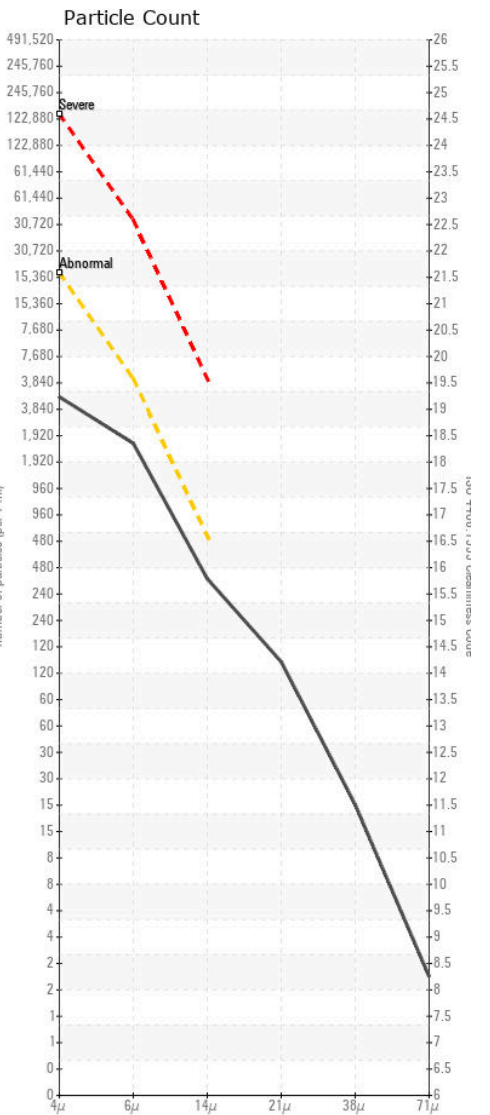
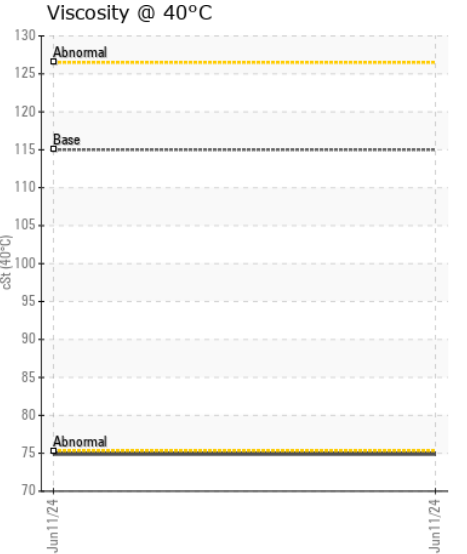
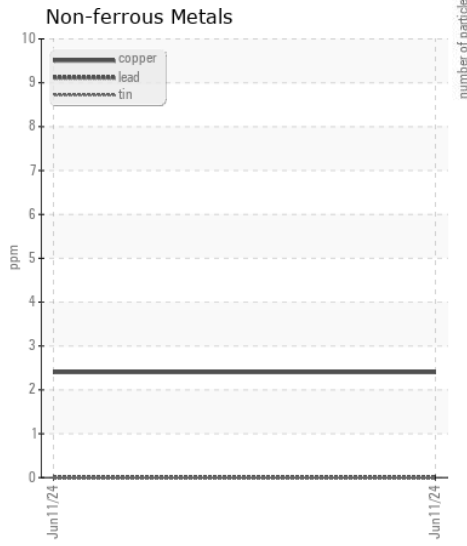
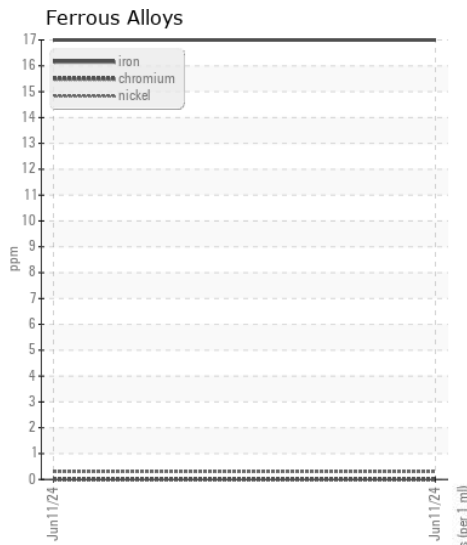
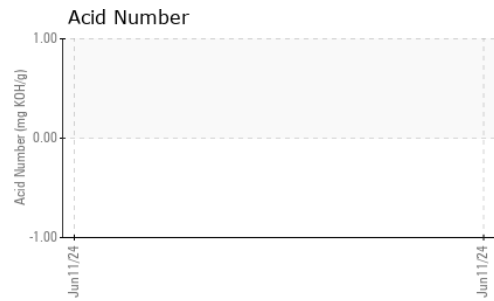
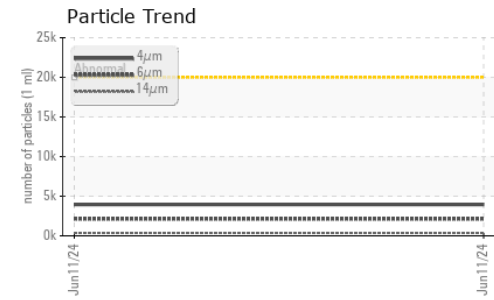
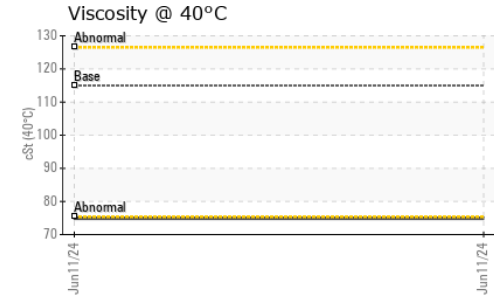
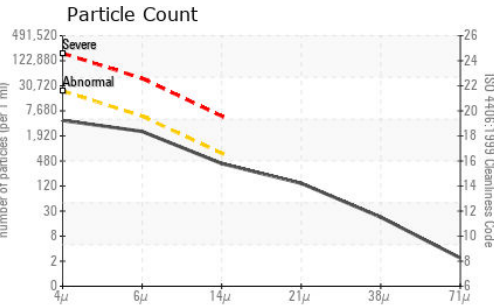
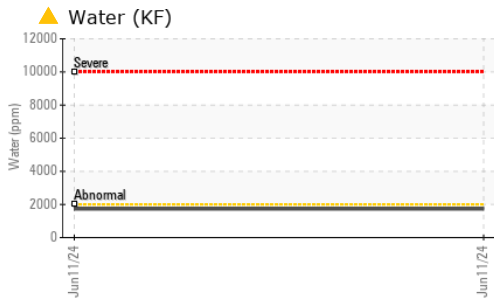
There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m		10	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water	%	ASTM D6304	>0.2	▲ 0.173	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 1730	---	---
Particles >4µm		ASTM D7647	>20000	3941	---	---
Particles >6µm		ASTM D7647	>5000	2147	---	---
Particles >14µm		ASTM D7647	>640	365	---	---
Particles >21µm		ASTM D7647	>160	123	---	---
Particles >38µm		ASTM D7647	>40	19	---	---
Particles >71µm		ASTM D7647	>10	2	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/18/16	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
Debris	scalar	*Visual	NONE	MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>158	4	---	---
Boron	ppm	ASTM D5185m	250	91	---	---
Barium	ppm	ASTM D5185m	10	2	---	---
Molybdenum	ppm	ASTM D5185m	100	45	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m	450	453	---	---
Calcium	ppm	ASTM D5185m	3000	2025	---	---
Phosphorus	ppm	ASTM D5185m	1150	812	---	---
Zinc	ppm	ASTM D5185m	1350	934	---	---
Sulfur	ppm	ASTM D5185m	4250	3386	---	---
Visc @ 40°C	cSt	ASTM D445	115	74.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0937937 **Received** : 14 Jun 2024
Lab Number : 06209937 **Tested** : 19 Jun 2024
Unique Number : 11082801 **Diagnosed** : 20 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, 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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