



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Contracting
 Machine Id
5605 5605
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0937928	WC0645030	---
Sample Date		Client Info		11 Jun 2024	11 Jan 2022	---
Machine Age	hrs	Client Info		1836	640	---
Oil Age	hrs	Client Info		551	640	---
Filter Age	hrs	Client Info		551	640	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	12	30	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	3	6	---
Lead	ppm	ASTM D5185m	>26	1	10	---
Copper	ppm	ASTM D5185m	>26	6	189	---
Tin	ppm	ASTM D5185m	>4	1	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

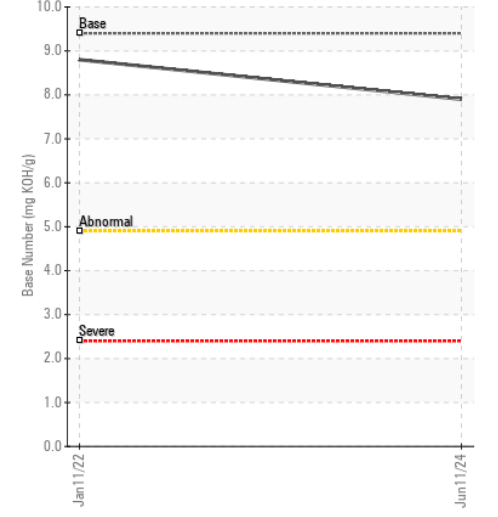
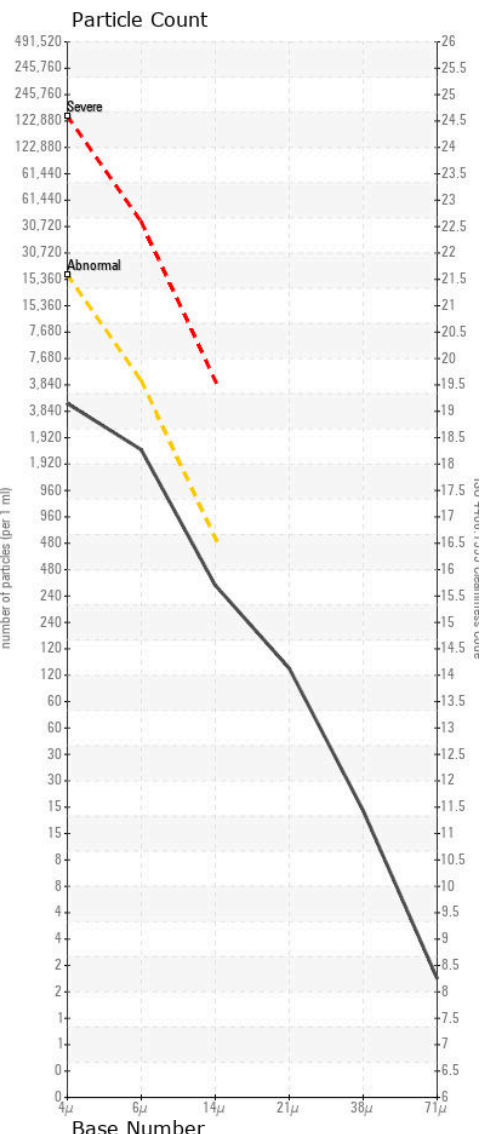
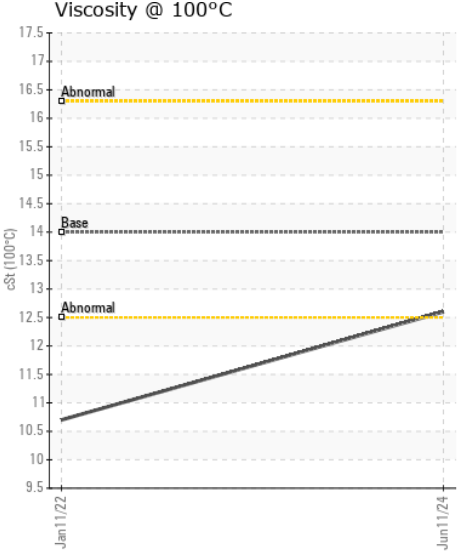
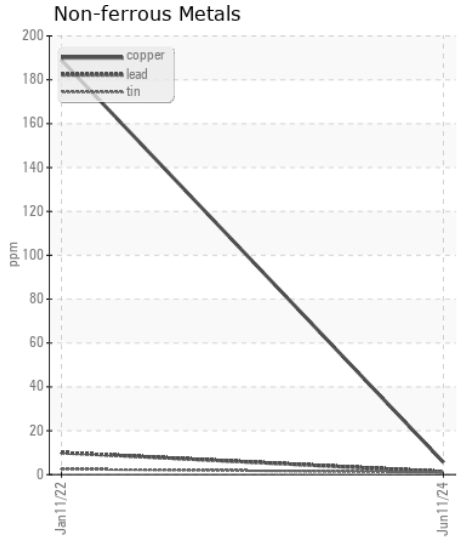
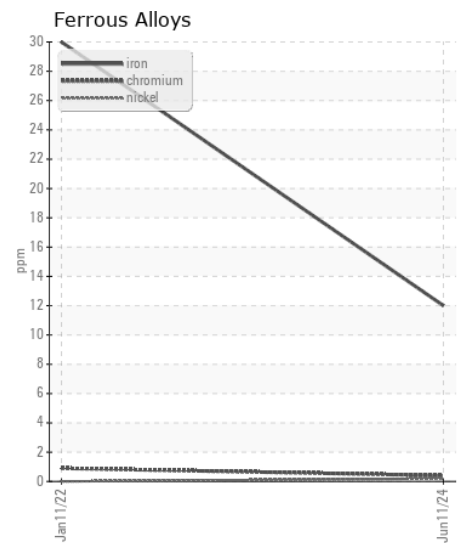
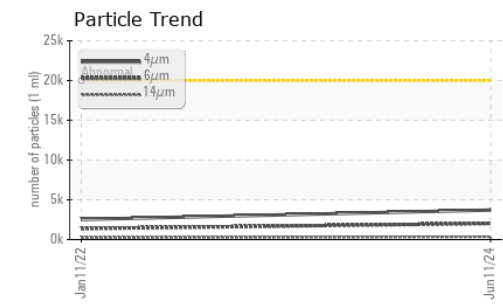
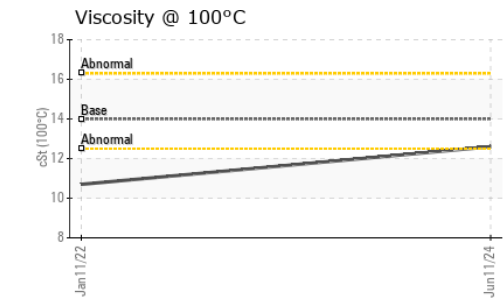
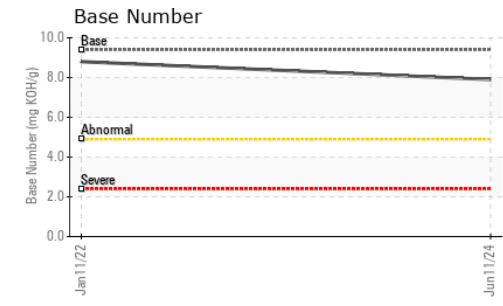
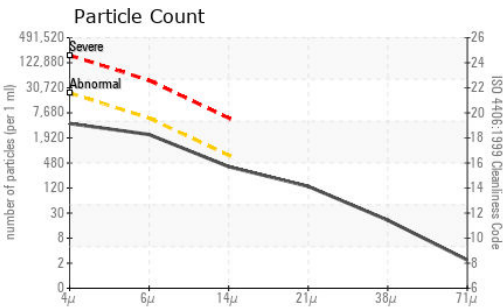
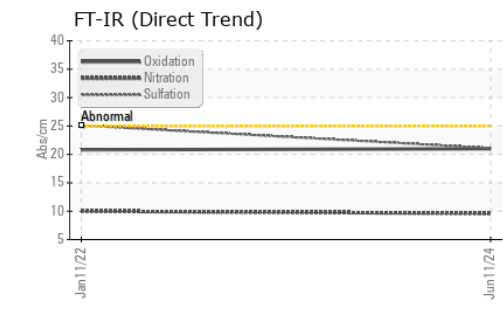
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>22	5	10	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
Fuel		WC Method	>2.1	<1.0	0.1	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	9.6	10	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	25.1	---
Particles >4µm		ASTM D7647	>20000	3715	2532	---
Particles >6µm		ASTM D7647	>5000	2024	1379	---
Particles >14µm		ASTM D7647	>640	344	235	---
Particles >21µm		ASTM D7647	>160	116	79	---
Particles >38µm		ASTM D7647	>40	18	12	---
Particles >71µm		ASTM D7647	>10	2	1	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/18/16	19/18/15	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>31	<1	4	---
Boron	ppm	ASTM D5185m	0	44	149	---
Barium	ppm	ASTM D5185m	0	0	4	---
Molybdenum	ppm	ASTM D5185m	0	52	220	---
Manganese	ppm	ASTM D5185m		<1	5	---
Magnesium	ppm	ASTM D5185m	0	513	784	---
Calcium	ppm	ASTM D5185m		1584	1457	---
Phosphorus	ppm	ASTM D5185m		690	766	---
Zinc	ppm	ASTM D5185m		918	1005	---
Sulfur	ppm	ASTM D5185m		2600	2702	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.0	20.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.9	8.8	---
Visc @ 100°C	cSt	ASTM D445	14	12.6	10.7	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0937928 **Received** : 14 Jun 2024
Lab Number : 06209931 **Tested** : 19 Jun 2024
Unique Number : 11082795 **Diagnosed** : 19 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount, TBN)
 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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