



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**ATLAS COPCO GS7**  
 Component  
**Diesel Engine**  
 Fluid  
**FLEETLINE 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LP0001921</b>	LP0001016	LP0001015
Sample Date		Client Info		<b>27 Apr 2024</b>	08 Apr 2024	27 Mar 2024
Machine Age	hrs	Client Info		<b>1707</b>	1245	993
Oil Age	hrs	Client Info		<b>462</b>	232	260
Filter Age	hrs	Client Info		<b>462</b>	232	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>16</b>	13	12
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Silver	ppm	ASTM D5185m	>3	<b>1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	2	3
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	2	2
Copper	ppm	ASTM D5185m	>330	<b>2</b>	1	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

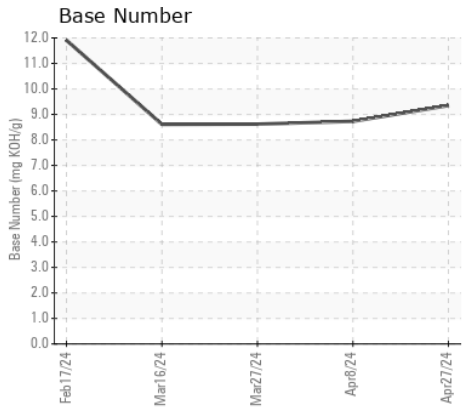
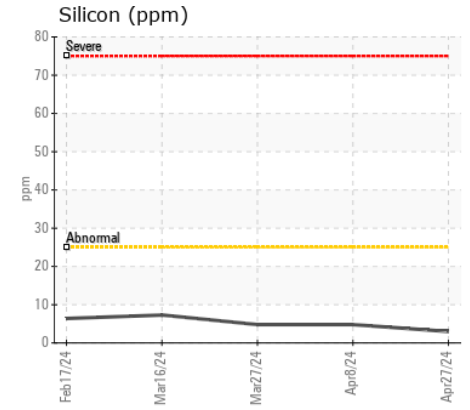
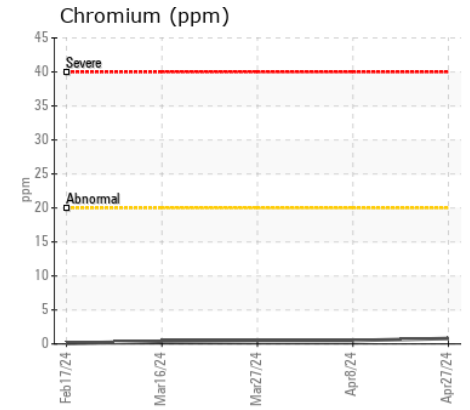
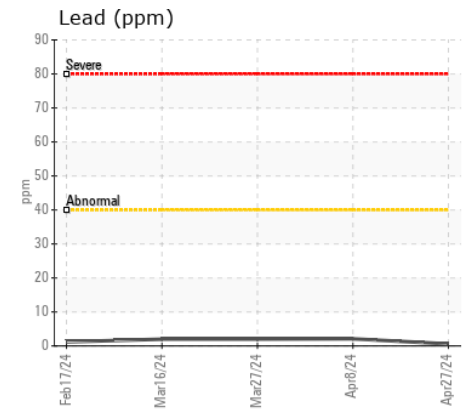
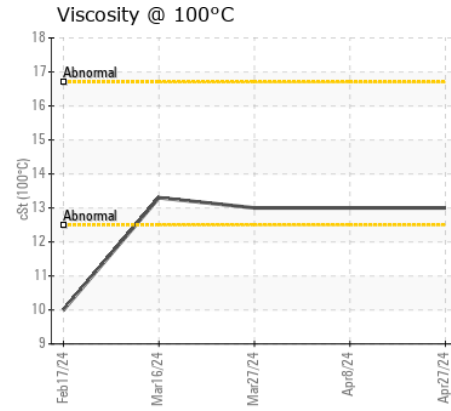
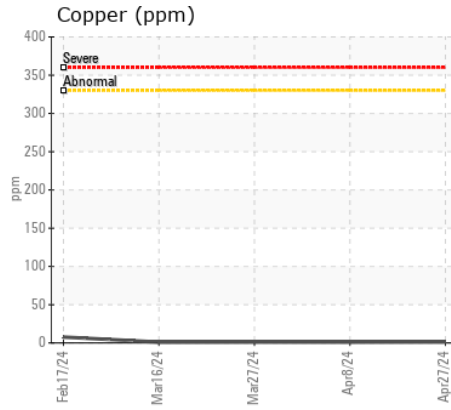
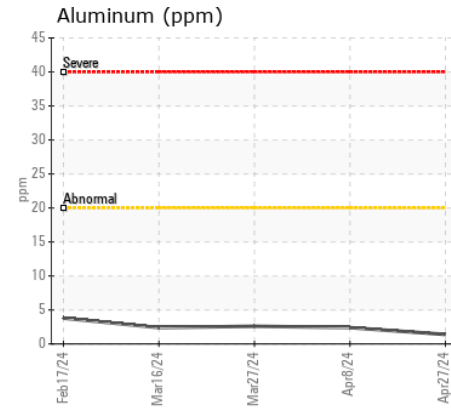
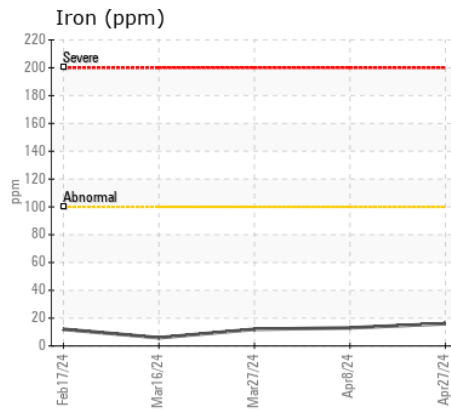
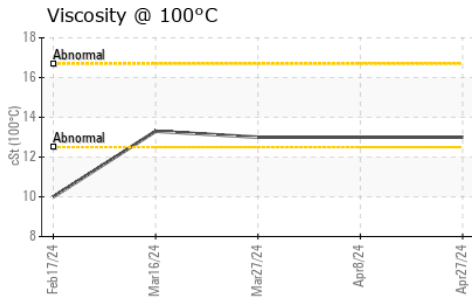
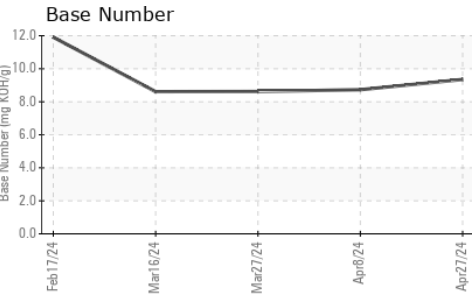
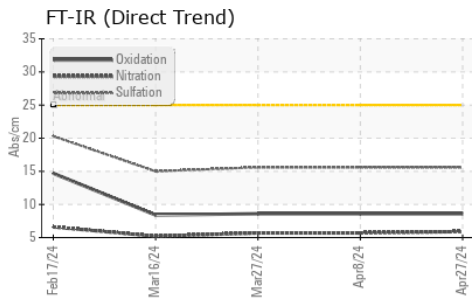
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	5	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	2
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.9</b>	5.7	5.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>15.6</b>	15.6	15.6
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>1</b>	0	0
Boron	ppm	ASTM D5185m		<b>8</b>	11	12
Barium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185m		<b>8</b>	9	10
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>76</b>	86	93
Calcium	ppm	ASTM D5185m		<b>1838</b>	2072	2095
Phosphorus	ppm	ASTM D5185m		<b>736</b>	892	929
Zinc	ppm	ASTM D5185m		<b>905</b>	1007	1021
Sulfur	ppm	ASTM D5185m		<b>3307</b>	4360	4370
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>8.6</b>	8.6	8.6
Base Number (BN)	mg KOH/g	ASTM D2896		<b>9.35</b>	8.73	8.62
Visc @ 100°C	cSt	ASTM D445		<b>13.0</b>	13.0	13.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LP0001921 **Received** : 28 May 2024  
**Lab Number** : 06193018 **Tested** : 30 May 2024  
**Unique Number** : 11049770 **Diagnosed** : 30 May 2024 - Wes Davis  
**Test Package** : MOB 2

**S.M. LORUSSO & SONS**  
 10 GROVE ST  
 WEST ROXBURY, MA  
 US 02132  
 Contact: MARK ERWIN  
 merwin@smlorusso.com

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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F: