



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[PMOAS3372455]**

Machine Id  
**6130608284**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 5W30 (--- QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0035027</b>	DC0026720	DC0020439
Sample Date		Client Info		<b>15 Apr 2024</b>	07 Apr 2023	20 Apr 2022
Machine Age	hrs	Client Info		<b>0</b>	282	249
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>6</b>	3	4
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>4	<b>7</b>	6	7
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>4</b>	6	4
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

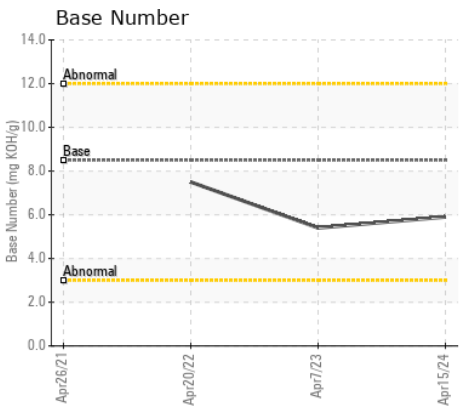
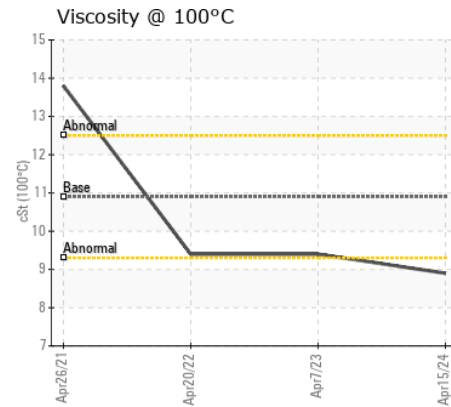
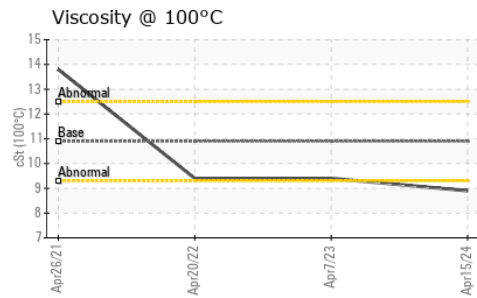
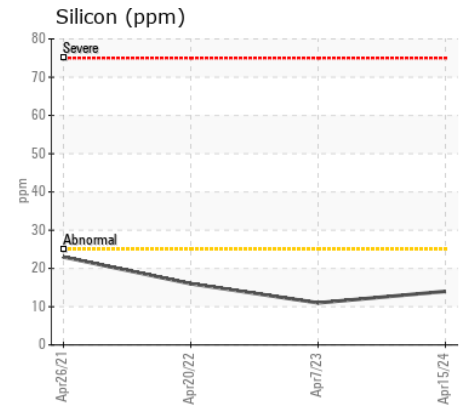
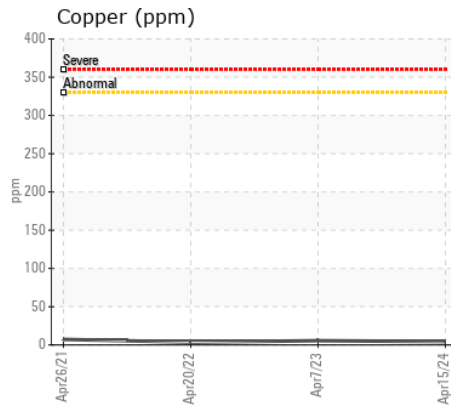
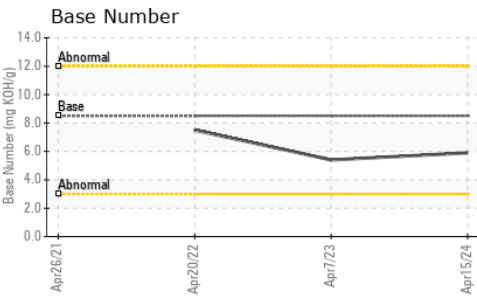
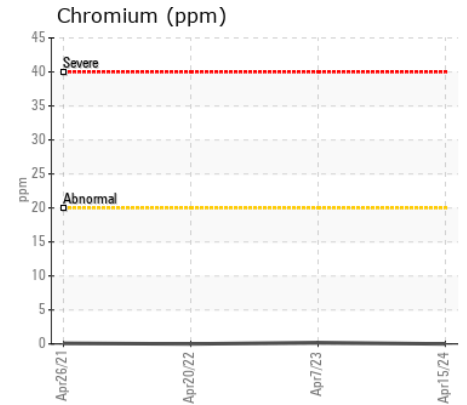
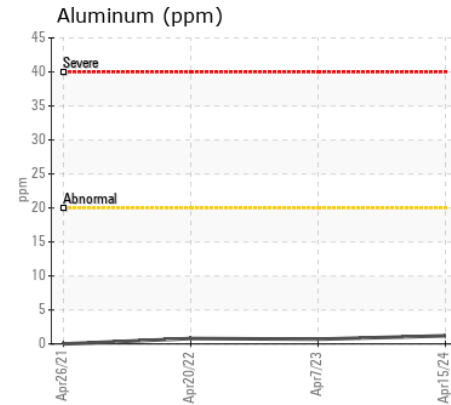
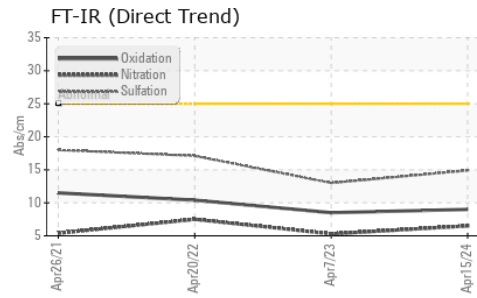
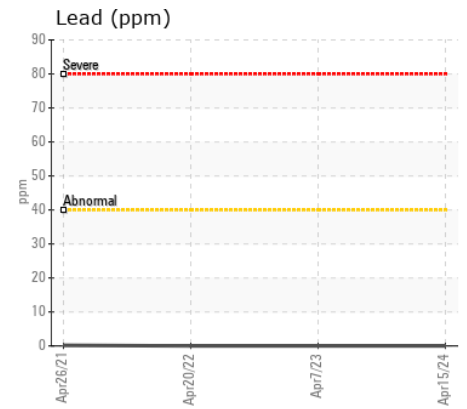
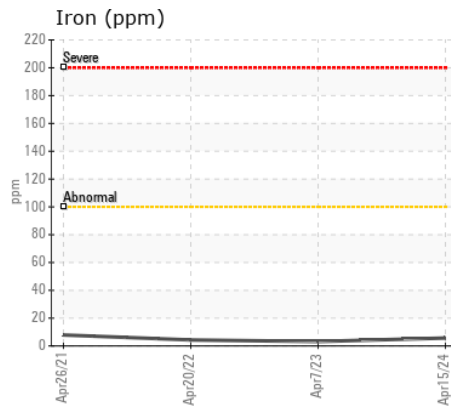
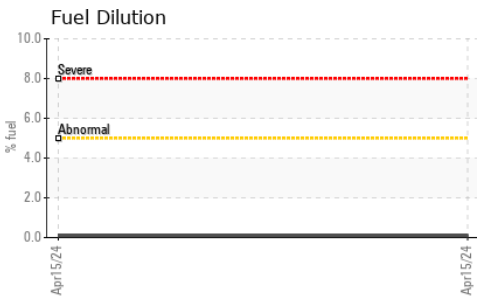
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>14</b>	11	16
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Fuel	%	ASTM D3524	>5	<b>0.1</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	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.5</b>	5.3	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>14.9</b>	13.0	17.1
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>2</b>	2	<1
Boron	ppm	ASTM D5185m	250	<b>130</b>	212	99
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	100	<b>52</b>	66	35
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	450	<b>716</b>	535	643
Calcium	ppm	ASTM D5185m	3000	<b>979</b>	1221	1009
Phosphorus	ppm	ASTM D5185m	1150	<b>708</b>	705	693
Zinc	ppm	ASTM D5185m	1350	<b>788</b>	795	750
Sulfur	ppm	ASTM D5185m	4250	<b>3231</b>	3541	2630
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>9.0</b>	8.5	10.4
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>5.9</b>	5.4	7.5
Visc @ 100°C	cSt	ASTM D445	10.9	<b>8.9</b>	9.4	9.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0035027  
**Lab Number** : 06159694  
**Unique Number** : 10995117  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, TBN )

**KELLY GENERATOR & EQUIPMENT INC**  
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 F: (410)257-5227

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)