



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
G6
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0874345	WC0874370	WC0783975
Sample Date		Client Info		08 Jun 2024	15 Jan 2024	09 Aug 2023
Machine Age	hrs	Client Info		10948	10389	9847
Oil Age	hrs	Client Info		551	542	522
Filter Age	hrs	Client Info		0	542	522
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	13	9	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	2	<1	1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	4	3	3
Lead	ppm	ASTM D5185m	>40	1	<1	1
Copper	ppm	ASTM D5185m	>330	<1	2	6
Tin	ppm	ASTM D5185m	>15	1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

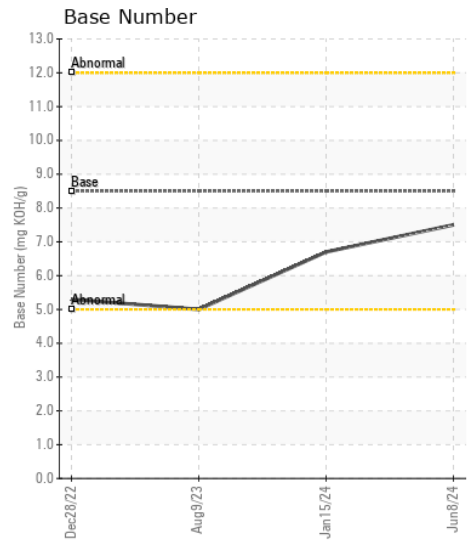
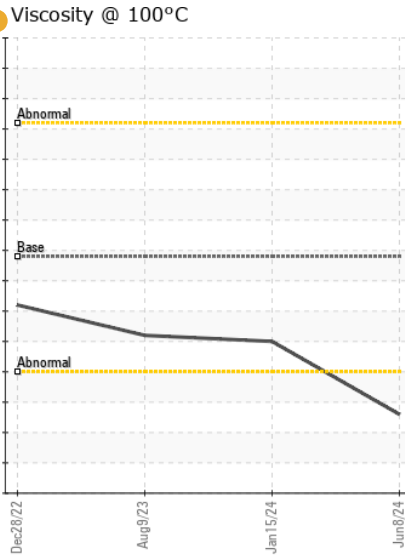
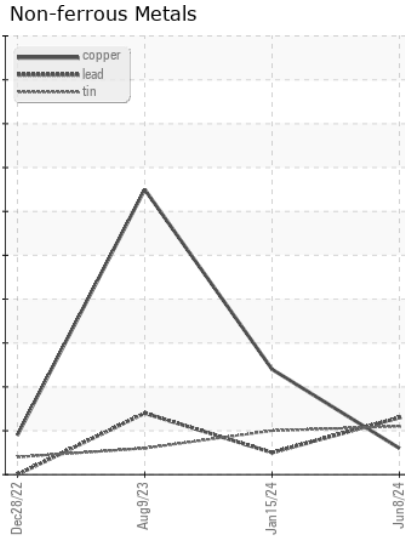
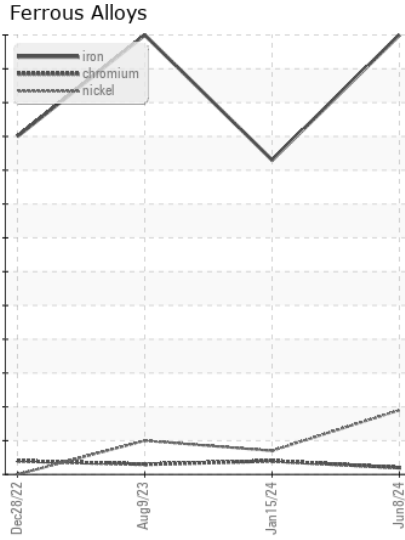
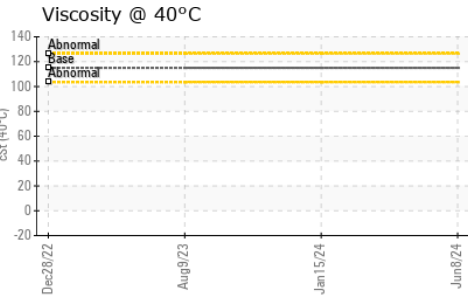
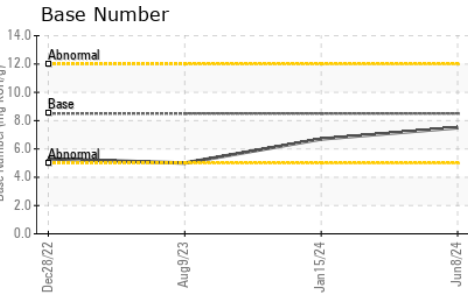
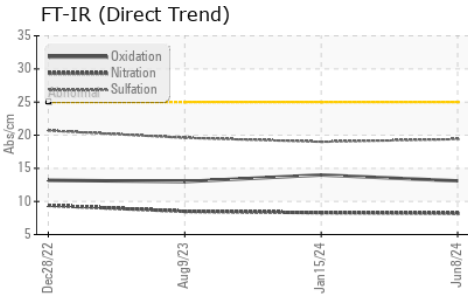
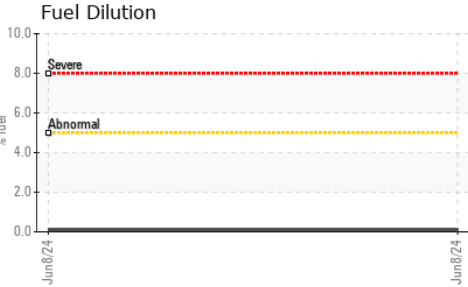
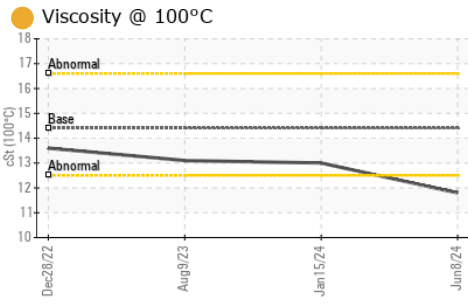
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	8	6	8
Potassium	ppm	ASTM D5185m	>20	10	5	8
Fuel	%	ASTM D3524	>5	0.1	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.9	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.3	8.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	19.0	19.6
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>158	4	6	4
Boron	ppm	ASTM D5185m	250	15	13	12
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	89	65	49
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	910	853	100
Calcium	ppm	ASTM D5185m	3000	1178	1228	2102
Phosphorus	ppm	ASTM D5185m	1150	1053	1043	863
Zinc	ppm	ASTM D5185m	1350	1284	1210	1135
Sulfur	ppm	ASTM D5185m	4250	3720	2879	3715
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	14.0	13.0
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.5	6.7	5.0
Visc @ 100°C	cSt	ASTM D445	14.4	11.8	13.0	13.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0874345 Received : 01 Jul 2024
 Lab Number : 06225463 Tested : 03 Jul 2024
 Unique Number : 11103660 Diagnosed : 03 Jul 2024 - Don Baldrige
 Test Package : CONST (Additional Tests: FuelDilution, KV40, PercentFuel, TBN)

Apple Valley Waste - EHT Location
 6626 Delilah Road
 Egg Harbor Township, NJ
 US 08234
 Contact: Service Manager

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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