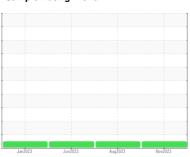


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **G90**Component **Diesel Engine**Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

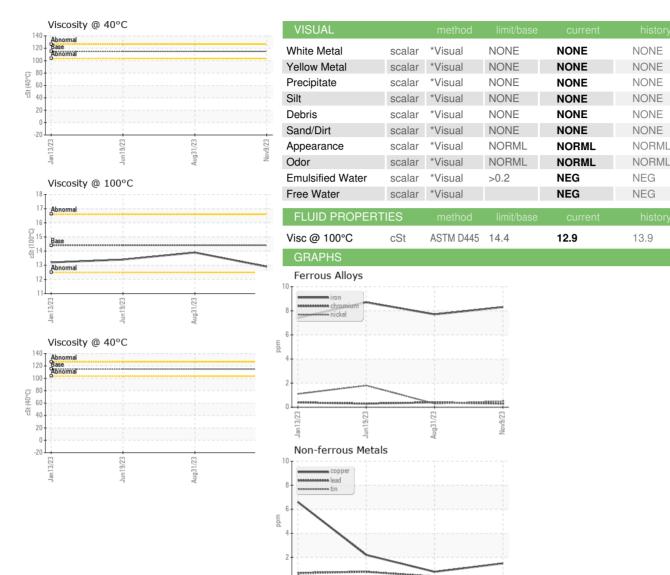
Fluid Condition

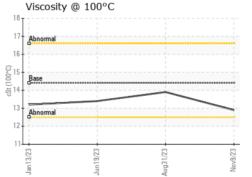
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

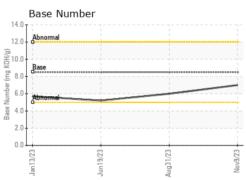
		Jan202	3 Jun2023	Aug2023 N	ov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age	mls mls	Client Info Client Info Client Info Client Info		WC0874356 09 Nov 2023 105294 0	WC0783981 31 Aug 2023 8859 631	WC0758891 19 Jun 2023 8228 269
Oil Changed Sample Status		Client Info		N/A NORMAL	Changed NORMAL	N/A NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron Chromium Nickel	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>120 >20 >5	8 <1 <1	8 <1 <1	9 <1 2
Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>2	<1 <1 2	0 0 1	0 0 2
Lead Copper Tin	ppm	ASTM D5185m ASTM D5185m	>40	<1 2 <1	<1 <1 <1	<1 2 <1
Vanadium Cadmium	ppm ppm	ASTM D5185m ASTM D5185m	>10	<1 <1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m ASTM D5185m	250	8	12 0	32 0
Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m	100	61 <1	73 <1	93
Magnesium Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	450 3000 1150	782 1230 917	291 2053 1026	118 2174 1016
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1350 4250	1133 2724	1321 3789	1283 3796
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >158 >20	8 3 5	8 7 2	4 3 2
INFRA-RED		method	limit/base	current	history1	history2
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>4 >20	0.5 8.1 19.7	0.5 8.8 21.4	0.5 9.5 21.5
FLUID DEGRAD	NOITA	method	limit/base	current	history1	history2
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 8.5	14.5 7.0	16.5 6.0	17.1 5.2



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 10741820

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0874356 : 06008058

Received Diagnosed

: 16 Nov 2023

: 15 Nov 2023

Diagnostician : Sean Felton

Test Package : CONST (Additional Tests: KV40, 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)

6626 Delilah Road Egg Harbor Township, NJ US 08234

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.4

Contact: Service Manager

T: F:

Apple Valley Waste - EHT Location