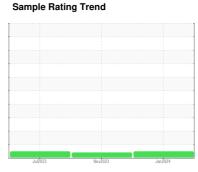


OIL ANALYSIS REPORT



NORMAL



Machine Id **G29** Component **Diesel Engine**

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

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

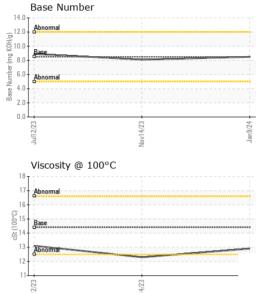
Fluid Condition

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

Jud023 New2023 Jan2024							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0858185	WC0858172	WC0760065	
Sample Date		Client Info		09 Jan 2024	14 Nov 2023	12 Jul 2023	
Machine Age	hrs	Client Info		10708	10405	9827	
Oil Age	hrs	Client Info		520	520	520	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	ATTENTION	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	0.5	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	6	17	58	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	0	
Titanium	ppm	ASTM D5185m		0	<1	<1	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m		1	2	1	
Lead	ppm	ASTM D5185m	>40	<1	1	<1	
Copper	ppm	ASTM D5185m		2	2	2	
Tin	ppm	ASTM D5185m	>15	<1	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	250	10	14	31	
Barium	ppm	ASTM D5185m		0	9	0	
Molybdenum	ppm	ASTM D5185m	100	59	58	72	
Manganese	ppm	ASTM D5185m	450	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	450	905	801	847	
Calcium	ppm	ASTM D5185m		1044	1038	1344	
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	1150 1350	1079 1235	949 1094	1026 1290	
Sulfur	ppm	ASTM D5185m	4250	3212	3606	4261	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	5	7	
Sodium	ppm	ASTM D5185m	>158	<1	2	2	
Potassium	ppm	ASTM D5185m	>20	<1	2	4	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	6.9	7.1	5.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	19.3	16.7	
FLUID DEGRAD	NOITA	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	15.2	12.3	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.5	8.1	8.9	
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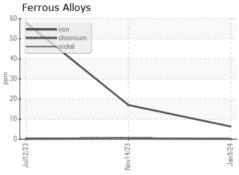
OIL ANALYSIS REPORT

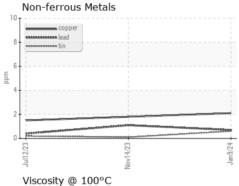


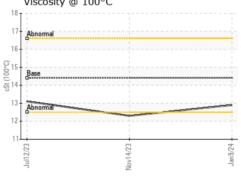
				history1	history2
White Metal scala	ır *Visual	NONE	NONE	NONE	NONE
Yellow Metal scala	ır *Visual	NONE	NONE	NONE	NONE
Precipitate scala	ır *Visual	NONE	NONE	NONE	NONE
Silt scala	ır *Visual	NONE	NONE	NONE	NONE
Debris scala	ır *Visual	NONE	NONE	NONE	NONE
Sand/Dirt scala	ır *Visual	NONE	NONE	NONE	NONE
Appearance scala	ır *Visual	NORML	NORML	NORML	NORML
Odor scala	r *Visual	NORML	NORML	NORML	NORML
Emulsified Water scala	ır *Visual	>0.2	NEG	NEG	NEG
Free Water scala	ır *Visual		NEG	NEG	NEG

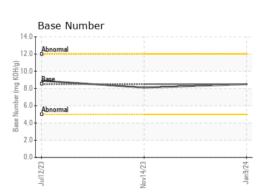
FLUID FROFERITES		method			HISTORY	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	14.4	12.9	12.3	13.1

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10834746

: WC0858185 : 06063364

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 17 Jan 2024 Recieved

Diagnosed : 18 Jan 2024 Diagnostician : Wes Davis

Test Package : CONST (Additional Tests: 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)

Apple Valley Waste - Hometown Location

155 Airport Road Selinsgrove, PA

US 17870

Contact: Service Manager

T: F: