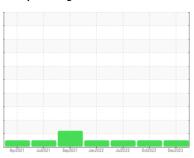


OIL ANALYSIS REPORT

Sample Rating Trend









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.

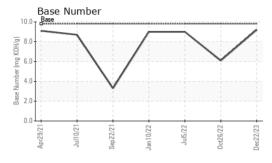
Fluid Condition

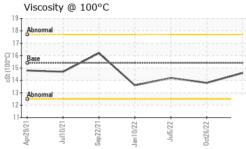
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

ON SHP 15W40 (GAL)	Apr2021	Jul2021 Sep 2021	Jan2022 Jul2022 Oct2022	Dec2023	
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info Client Info		GFL0105796 22 Dec 2023 17743 16294 Changed NORMAL	GFL0057330 26 Oct 2022 16294 16178 Changed NORMAL	GFL0055165 05 Jul 2022 15688 16178 Changed NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Antimony	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>2 >2 >2 >2 >20 >40	1 <1 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	86 3 0 0 0 6 4 4	45 2 <1 0 <1 2 1 2 1
Vanadium Cadmium ADDITIVES	ppm	ASTM D5185m ASTM D5185m method	limit/base	0 0 current	<1 0 history1	0 0 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	0 0 60 0 1010 1070 1150	2 0 57 0 884 993 949 1152 3269	5 <1 53 1 763 1107 860 1083 2705	4 0 52 2 837 1054 897 1073 3149
CONTAMINAN		method	limit/base		history1	history2
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	4 24 2	10 2 2	10 2 0
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	limit/base >6 >20 >30	0.1 4.3 17.5	history1 4.2 16.3 31.9	history2 1.3 8.0 20.6
FLUID DEGRAD Oxidation Base Number (BN)	Abs/.1mm	method *ASTM D7414 ASTM D2896	limit/base >25 9.8	current 12.8 9.2	history1 25.0 6.1	history2 14.6 9.0



OIL ANALYSIS REPORT

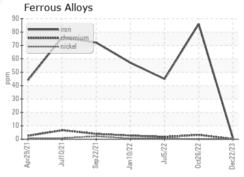


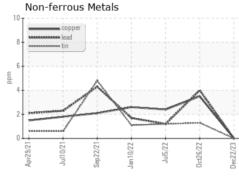


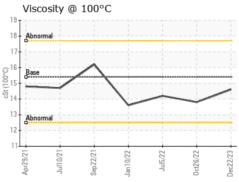
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG

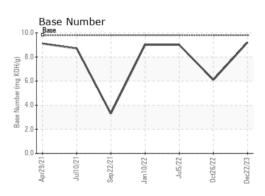
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	13.8	14.2	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10806460 Test Package : FLEET

: GFL0105796 : 06045852

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 27 Dec 2023 Diagnosed

: 28 Dec 2023 Diagnostician : Wes Davis

GFL Environmental - 415 - Michigan East

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@gflenv.com

T: (586)825-9514

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)