

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 933008 Component **Natural Gas Engine**

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

AE 15W40 (G	AL)			Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0091639		
Sample Date		Client Info		29 Sep 2023		
Machine Age	kms	Client Info		17535		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>50	50		
Chromium	ppm	ASTM D5185(m)	>5	<1		
Nickel	ppm	ASTM D5185(m)	>4	1		
itanium	ppm	ASTM D5185(m)	>5	0		
Silver	ppm	ASTM D5185(m)	>3	<1		
Muminum	ppm	ASTM D5185(m)	>25	5		
_ead	ppm	ASTM D5185(m)	>40	2		
Copper	ppm	ASTM D5185(m)	>150	17		
Fin	ppm	ASTM D5185(m)	>4	1		
Antimony	ppm	ASTM D5185(m)		0		
/anadium		ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	. ,				
	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base		history1	history2
Boron - ·	ppm	ASTM D5185(m)	250	9		
Barium	ppm	ASTM D5185(m)	10	3		
Molybdenum	ppm	ASTM D5185(m)	100	57		
Manganese	ppm	ASTM D5185(m)		11		
Magnesium	ppm	ASTM D5185(m)	450	778		
Calcium	ppm	ASTM D5185(m)	3000	1373		
Phosphorus	ppm	ASTM D5185(m)	1150	722		
Zinc	ppm	ASTM D5185(m)	1350	919		
Sulfur	ppm	ASTM D5185(m)	4250	1915		
_ithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	24		
Sodium	ppm	ASTM D5185(m)	>158	6		
Potassium	ppm	ASTM D5185(m)	>20	7		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
litration	Abs/cm	ASTM D7624*	>20	12.4		
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.6		
Acid Number (AN)	mg KOH/g	ASTM D974*		3.14		
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	5.84		
` ′	0 1 0 1	4.0T14.D=0.11	4.5			

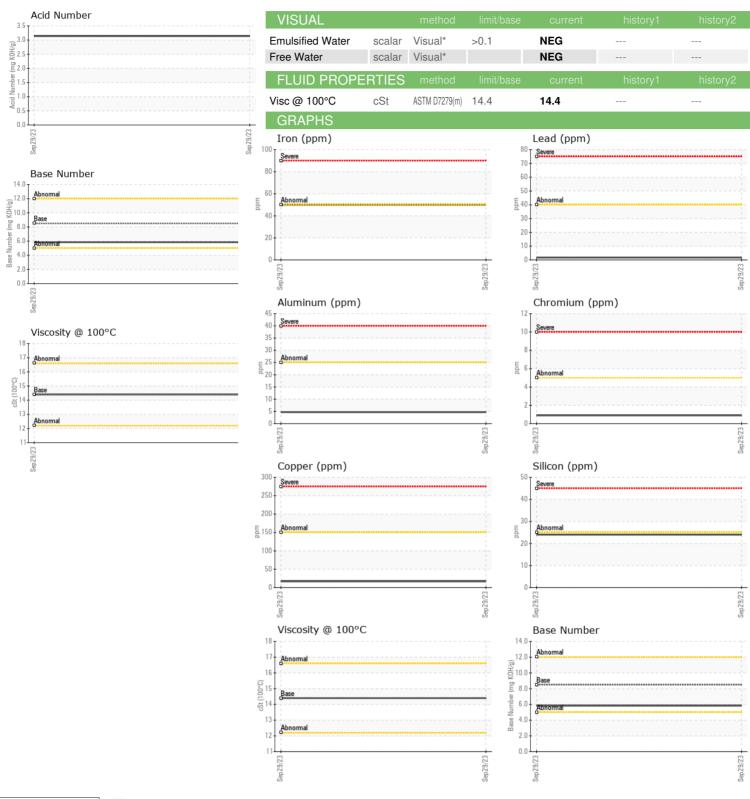
Scale 0-14 ASTM D7946* <4.5

i-pH

4.75



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: GFL0091639 : 02588191 : 5657257

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County

Received : 11 Oct 2023 Diagnosed Diagnostician : Wes Davis

: 16 Oct 2023 **Test Package**: MOB 2 (Additional Tests: i-pH, TAN Auto, TAN Man)

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1**

Contact: GFL Calgary calgarymaintenance@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: (403)369-6163

T: