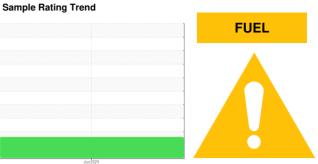


OIL ANALYSIS REPORT



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



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Metal levels are typical for a components first oil change.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

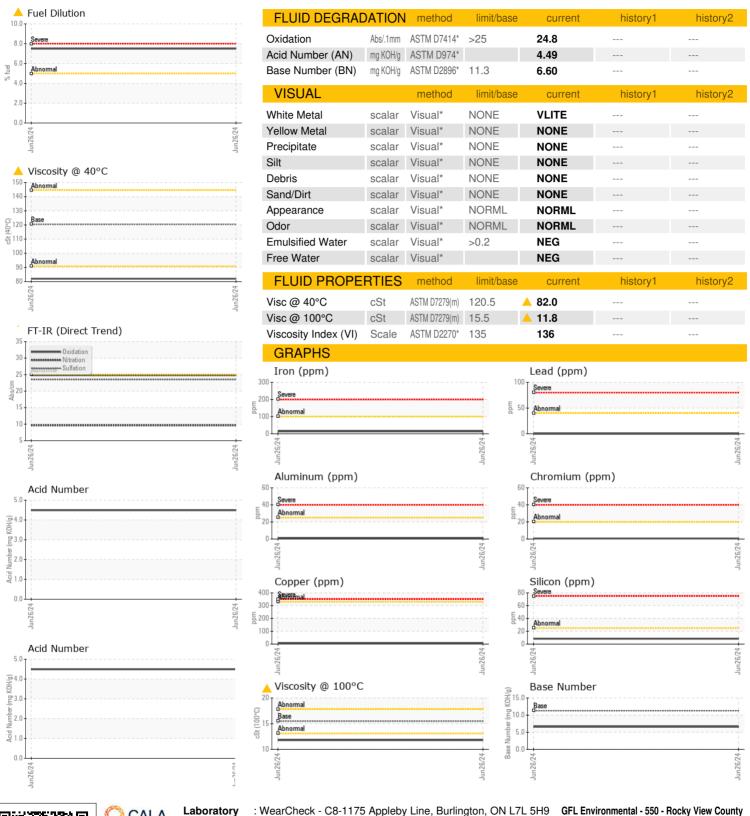
▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

Cample Date Client Info 1095 Client Info 1095 Client Info 1095 Client Info 1095 Changed Changed Changed Contamination Client Info Changed Contamination Changed Contamination Changed Contamination Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Contamination Changed Changed Contamination Changed Ch	OIL 15W40 (GA	L)		,	Jun 2024		
Company Com	SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		GFL0112431		
Dil Changed	Sample Date		Client Info		26 Jun 2024		
Changed Client Info ABNORMAL CONTAMINATION Method Imit/base current history1 history2	Machine Age	nrs	Client Info		1095		
ABNORMAL	Dil Age	nrs	Client Info		1095		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG Bilycol WC Method NEG WEAR METALS method limit/base current history1 history2 ron ppm ASTM 05185(m) >20 <1	Oil Changed		Client Info		Changed		
Water WC Method >0.2 NEG Biycol WC Method Ilmit/base current history1 history2 WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185(m) >20 <1 Chromium ppm ASTM D5185(m) >2 0 Silver ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >40 0 Lead ppm ASTM D5185(m) >40 0 Copper ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0	Sample Status				ABNORMAL		
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Description			(/				
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Potassium ppm ASTM D5185(m) >20 <1 Fuel % ASTM D7593* >5 ▲ 7.5 INFRA-RED method limit/base current history1 history2 Soot % % ASTM D7844* >3 0 Nitration Abs/cm ASTM D7624* >20 9.6	Silicon	opm	. ,	>25			
Fuel % ASTM D7593* >5	Sodium p	opm	ASTM D5185(m)		3		
INFRA-RED method limit/base current history1 history2 Soot % % ASTM D7844* >3 0 Vitration Abs/cm ASTM D7624* >20 9.6	Potassium	opm	. ,	>20	<1		
Soot % % ASTM D7844* >3 0 Nitration Abs/cm ASTM D7624* >20 9.6	Fuel 9	%	ASTM D7593*	>5	A 7.5		
Nitration Abs/cm ASTM D7624* >20 9.6	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>3	0		
	Nitration F	Abs/cm	ASTM D7624*	>20	9.6		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number : 02645715

Unique Number : 5803254

: GFL0112431

Received : 05 Jul 2024 **Tested** : 08 Jul 2024 Diagnosed : 08 Jul 2024 - Wes Davis

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

Test Package : MOB 2 (Additional Tests: FuelDilution, KV40, PercentFuel, TAN Auto, TAN Man, VI, Visuabintact: GFL Calgary To discuss this sample report, contact Customer Service at 1-800-268-2131.

calgarymaintenance@gflenv.com T:

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.

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