

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NO UNIT WC0911707

Diesel Engine Fluid DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 10W30. Please confirm. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

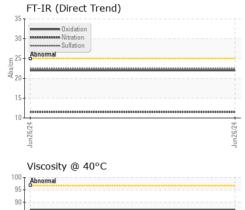
The condition of the oil is acceptable for the time in service.

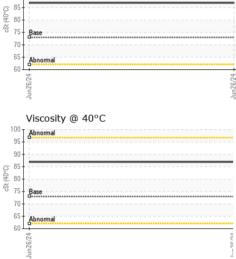
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0911707		
Sample Date		Client Info		26 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	24		
Chromium	ppm	ASTM D5185(m)	>20	1		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	<1		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>40	2		
Copper	ppm	ASTM D5185(m)	>330	1		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)		<1		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	2		
Barium	ppm	ASTM D5185(m)	10	0		
Molybdenum	ppm	ASTM D5185(m)	100	57		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)	450	936		
Calcium	ppm	ASTM D5185(m)	3000	1011		
Phosphorus	ppm	ASTM D5185(m)	1150	961		
Zinc	ppm	ASTM D5185(m)	1350	1184		
Sulfur	ppm	ASTM D5185(m)	4250	2358		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4		
Sodium	ppm	ASTM D5185(m)		5		
Potassium	ppm	ASTM D5185(m)	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.6		
Nitration	Abs/cm	ASTM D7624*	>20	11.5		
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.5		



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FLUID DEGRADA	TION	method	limit/base	current	history1	histor
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.0		
VISUAL		method	limit/base	current	history1	histor
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	histor
Visc @ 40°C	cSt	ASTM D7279(m)	73	86.9		
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	12.4		
Viscosity Index (VI)	Scale	ASTM D2270*	138	138		
GRAPHS						
Iron (ppm)			10	Lead (ppm)		
00			10	Severe		
0 - G			ق 5	0 - Abnormal		
00 - Abnormal			<u>م</u>			
			_			
Jun26/24			Jun26/24	Jun26/24		
μη			nn	hun		
Aluminum (ppm)			C	Chromium (p	pm)	
Savara			6	Savara		
			4 udd			
0 - Abnormal			2	0 - Abnormal		
Jun26/24			Jun26/24	Jun26/24		
			Jur			
Copper (ppm)			8	Silicon (ppm)		
0			6	ų.		
00			E 4	Abnormal		
00			2	2 Maritan Maritan		
			Jun26/24	Jun26/24		
ın26/24			JĽ			
Vigeosity @ 1000C				Soot %		
Viscosity @ 100°C			6.	0 T		
Viscosity @ 100°C				Severe		
Viscosity @ 100°C				Severe		
Viscosity @ 100°C			6. **4. \$2.	Severe		
Viscosity @ 100°C				Abnormal		
Viscosity @ 100°C			* ^{4.} tos 2.	Abnormal		





 Sample No.
 : WC0911707
 Received
 : 27 Jun 2024
 791 WEBBER A

 Iso 17025:2017
 Lab Number
 : 02644300
 Tested
 : 27 Jun 2024
 791 WEBBER A

 Accredited Laboratory
 Unique Number
 : 5801839
 Diagnosed
 : 27 Jun 2024 - Wes Davis

 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.

EBBER AVENUE,, MUNICIPAL OPERATIONS CENTRE PETERBOROUGH, ON CA K9J 8N3 Contact: Frank Curran fcurran@peterborough.ca T: (705)742-7777 F: (705)743-3223

Report Id: CITPET [WCAMIS] 02644300 (Generated: 06/27/2024 16:32:28) Rev: 1

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Labo

Contact/Location: Frank Curran - CITPET Page 2 of 2