

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

THOMAS 8518

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- 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 15W40. Please confirm.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

SAMPLE INFOR	ΜΔΤΙΩΝ	method	limit/base	current	history1	history2
	IVIZTION		III III DAGC		,	,
Sample Number		Client Info		PC0089681		
Sample Date	Luces	Client Info		05 Jun 2024		
Machine Age	kms	Client Info		156766		
Oil Age	kms	Client Info		0 N/A		
Oil Changed		Client Info		N/A NORMAL		
Sample Status				NORWAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	18		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>20	5		
Lead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>330	<1		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)		0		
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	5		
Barium	ppm	ASTM D5185(m)	10	0		
Molybdenum	ppm	ASTM D5185(m)	100	59		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)	450	944		
Calcium	ppm	ASTM D5185(m)	3000	1012		
Phosphorus	ppm	ASTM D5185(m)	1150	988		
Zinc	ppm	ASTM D5185(m)	1350	1170		
Sulfur	ppm	ASTM D5185(m)	4250	2478		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3		
Sodium	ppm	ASTM D5185(m)	>158	2		
Potassium	ppm	ASTM D5185(m)	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.2		
Nitration	Abs/cm	ASTM D7624*	>20	7.5		
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.0		



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ISO 17025:2017
Accredited
Laboratory

 Laboratory
 : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

 Sample No.
 : PC0089681
 Received
 : 09 Jul 2024

 Lab Number
 : 02646612
 Tested
 : 09 Jul 2024

Unique Number : 5812164 Diagnosed : 09 v Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

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.

ICSB - Brantford 567 Oak Park Rd. Brantford, ON CA N3T 5L8 Contact: Doug Hall Djhall@sharpbus.com T: (519)751-3434

: 09 Jul 2024 - Kevin Marson