

# **OIL ANALYSIS REPORT**

Sample Rating Trend





200300 Diesel Engine

# TEST OIL RED 6 (40 LTR)

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Test Oil Red 6 )

### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

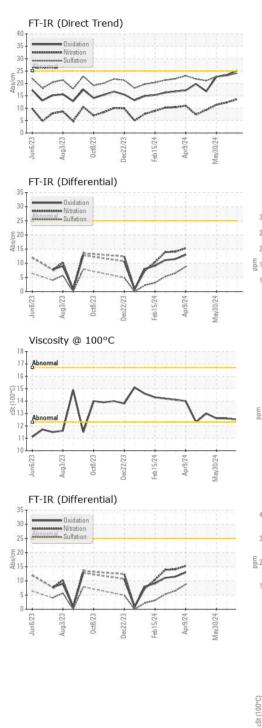
#### Fluid Condition

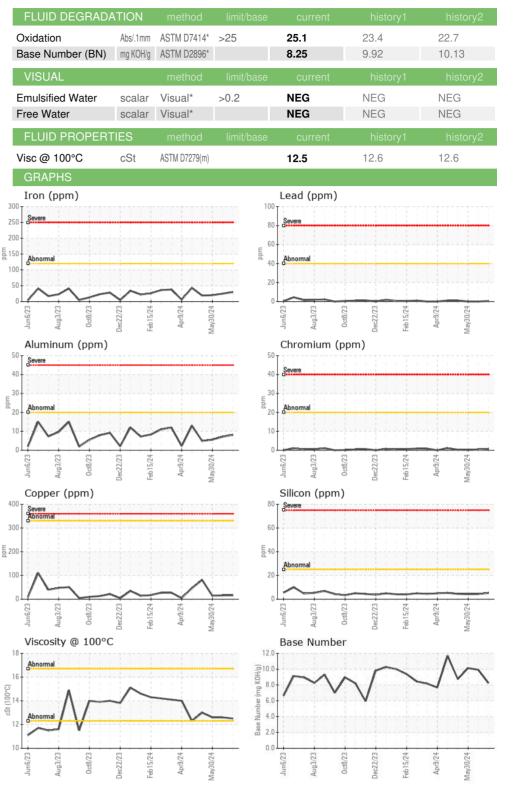
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0955700	WC0926281	WC0926296
Sample Date		Client Info		07 Jul 2024	12 Jun 2024	30 May 2024
Machine Age	kms	Client Info		366561	348155	338882
Oil Age	kms	Client Info		55880	37474	28201
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٨	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	30	25	20
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>15	2	1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	8	7	6
Lead	ppm	ASTM D5185(m)	>40	<1	0	0
Copper	ppm	ASTM D5185(m)	>330	16	16	14
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		24	36	51
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		48	51	48
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		888	952	916
Calcium	ppm	ASTM D5185(m)		1288	1323	1298
Phosphorus	ppm	ASTM D5185(m)		623	727	725
Zinc	ppm	ASTM D5185(m)		874	909	853
Sulfur	ppm	ASTM D5185(m)		1836	1962	1864
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	4	4
Sodium	ppm	ASTM D5185(m)		2	6	2
Potassium	ppm	ASTM D5185(m)	>20	4	23	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.8	0.6	0.5
Nitration	Abs/cm	ASTM D7624*	>20	13.6	12.3	11.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.1	23.1	22.7



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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA : WC0955700 Sample No. Received : 08 Jul 2024 Lab Number : 02646039 Tested : 09 Jul 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5811591 Diagnosed : 09 Jul 2024 - Kevin Marson Test Package : MOB 2 ( Additional Tests: FT-IR(Diff) ) 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.

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Submitted By: William Ridley Page 2 of 2