

OIL ANALYSIS REPORT

Sample Rating Trend



Top (S/N Q250768B)

Diesel Engine

SHELL ROTELLA T 5W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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		WC0646134																														
Sample Date		Client Info		09 Aug 2023																														
Machine Age	hrs	Client Info		1064																														
Oil Age	hrs	Client Info		0																														
Oil Changed		Client Info		Changed																														
Sample Status				NORMAL																														
CONTAMINATION	N	method	limit/base	current	history1	history2																												
Fuel		WC Method	>5	<1.0																														
Glycol		WC Method		NEG																														
WEAR METALS		method	limit/base	current	history1	history2																												
Iron	ppm	ASTM D5185m	>100	3																														
Chromium	ppm	ASTM D5185m	>20	<1																														
Nickel	ppm	ASTM D5185m	>4	0																														
Titanium	ppm	ASTM D5185m		<1																														
Silver	ppm	ASTM D5185m	>3	0																														
Aluminum	ppm	ASTM D5185m	>20	0																														
Lead	ppm	ASTM D5185m	>40	<1																														
Copper	ppm	ASTM D5185m	>330	<1																														
Tin	ppm	ASTM D5185m	>15	<1																														
Vanadium	ppm	ASTM D5185m		<1																														
Cadmium	ppm	ASTM D5185m		0																														
ADDITIVES		method	limit/base	current	history1	history2																												
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 193	history1	history2																												
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 193 0	history1 	history2 																												
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 193 0 9	history1 	history2 																												
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 193 0 9 <1	history1	history2																												
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 193 0 9 <1 97 2114	history1	history2																												
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 193 0 9 <1 97 2114 999 1213 4195	history1	history2																												
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115-110

105

95 Ba 90

85

80

75

19 18

1 () 10 001 Base

12

115.

110

105 cSt (40°C)

80

75

un9/23

Base 90 85

un9/23

OIL ANALYSIS REPORT



Test Package : MOB 2 (Additional Tests: KV40, VI)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Certificate L2367

Contact/Location: CHUCK WISHARD - HIAPLA