

OIL ANALYSIS REPORT

Area Shelter Bay JOHN DEERE John Deere feed generator (S/N PE6068N013295) **Diesel Engine**

Fluid MOBIL DELVAC 1 5W40 (30 LTR)

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Wear

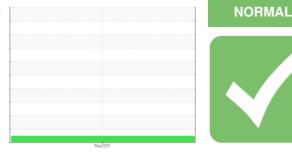
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



Sample Rating Trend

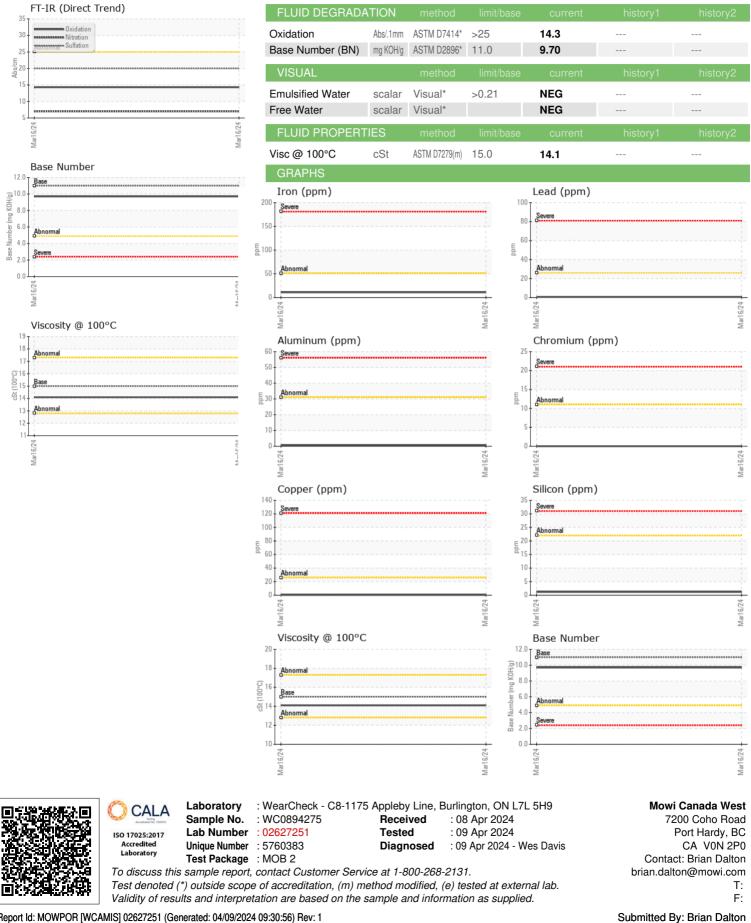


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0894275		
Sample Date		Client Info		16 Mar 2024		
Machine Age	hrs	Client Info		12890		
Oil Age	hrs	Client Info		480		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Fuel	N	WC Method	>2.1	<1.0		
Water		WC Method	>0.21	NEG		
Glycol		WC Method	20.21	NEG		
-		WC Welliou		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>51	11		
Chromium	ppm	ASTM D5185(m)	>11	0		
Nickel	ppm	ASTM D5185(m)	>5	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>31	<1		
Lead	ppm	ASTM D5185(m)	>26	<1		
Copper	ppm	ASTM D5185(m)	>26	<1		
Tin	ppm	ASTM D5185(m)	>4	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)	291	2		
Barium	ppm	ASTM D5185(m)	0.0	0		
Molybdenum	ppm	ASTM D5185(m)	8.0	57		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	624	914		
Calcium	ppm	ASTM D5185(m)	2158	1193		
Phosphorus	ppm	ASTM D5185(m)	1132	970		
Zinc	ppm	ASTM D5185(m)	1300	1182		
Sulfur	ppm	ASTM D5185(m)	3616	2580		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>22	1		
Sodium	ppm	ASTM D5185(m)	>31	<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.4		
Nitration	Abs/cm	ASTM D7624*	>20	7.0		
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.0		



Base

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Page 2 of 2