

OIL ANALYSIS REPORT

Sample Rating Trend



PORT MAIN ENGINE

Port Main Engine Fluid SHELL ROTELLA T4 15W40 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

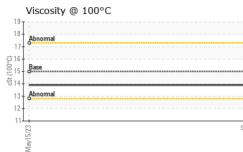
Fluid Condition

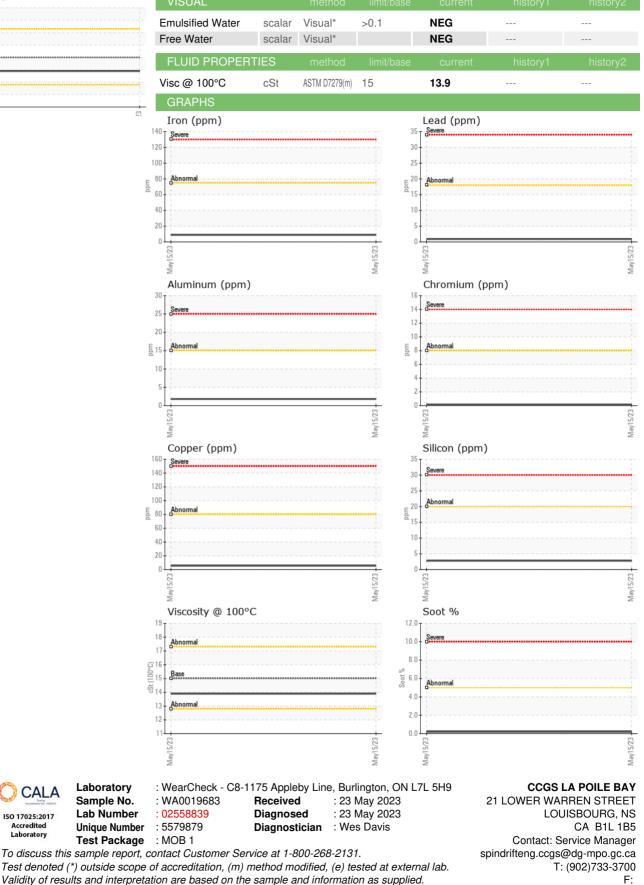
The condition of the oil is acceptable for the time in service.

				May2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WA0019683		
Sample Date		Client Info		15 May 2023		
Machine Age	hrs	Client Info		607		
Oil Age	hrs	Client Info		115		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIC	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>75	9		
Chromium	ppm	ASTM D5185(m)	>8	<1		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Fitanium	ppm	ASTM D5185(m)	>3	3		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>15	2		
₋ead	ppm	ASTM D5185(m)	>18	<1		
Copper	ppm	ASTM D5185(m)	>80	6		
īn	ppm	ASTM D5185(m)	>14	<1		
Antimony	ppm	ASTM D5185(m)		0		
/anadium	ppm	ASTM D5185(m)		<1		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		134		
Barium	ppm	ASTM D5185(m)		0		
Nolybdenum	ppm	ASTM D5185(m)		21		
Nanganese	ppm	ASTM D5185(m)		<1		
/agnesium	ppm	ASTM D5185(m)		248		
Calcium	ppm	ASTM D5185(m)		2247		
Phosphorus	ppm	ASTM D5185(m)		1010		
Zinc	ppm	ASTM D5185(m)		1105		
Sulfur	ppm	ASTM D5185(m)		3030		
_ithium	ppm	ASTM D5185(m)		<1		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	3		
Sodium	ppm	ASTM D5185(m)	>75	2		
Potassium	ppm	ASTM D5185(m)	>20	6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0.2		
Nitration	Abs/cm	ASTM D7624*	>20	8.6		
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6		
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CALA

ISO 17025:2017 Accredited Laboratory

Contact/Location: Service Manager - LAPOILEBAY