

OIL ANALYSIS REPORT

Area **Cranes** Crane - Fwd Engine Crank Case (S/N Sample Tag MA-04003-S10)

Forward Diesel Engine

Fluid PETRO CANADA DURON HP 15W40 (42 LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

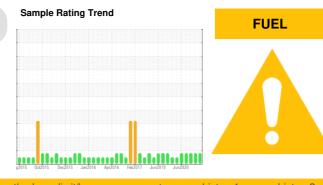
All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

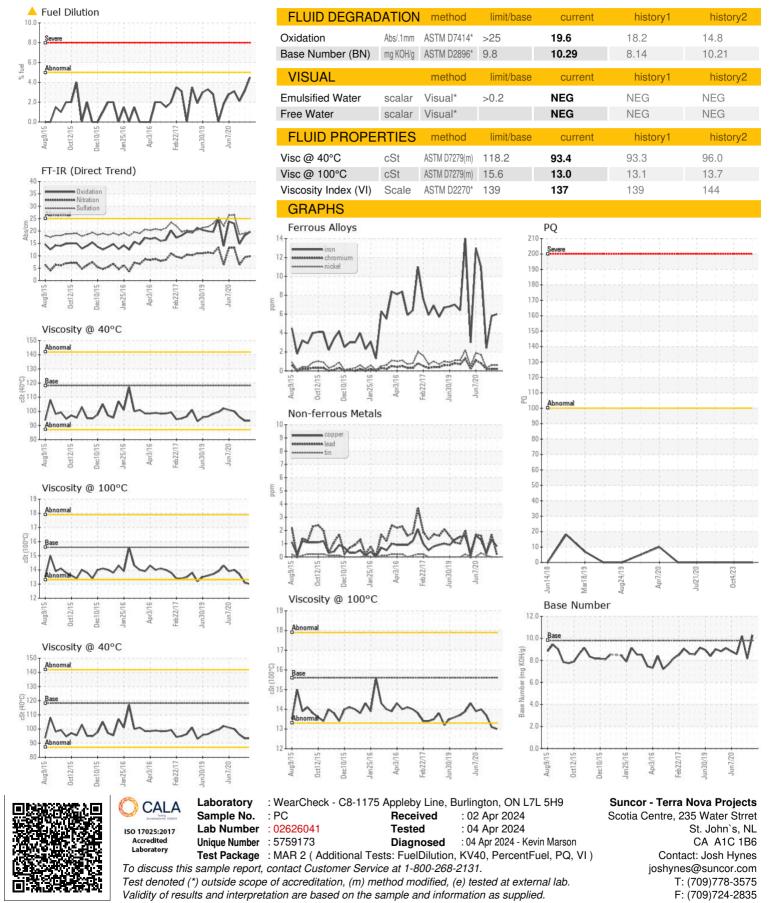
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC	PC0076454	PC0029590
Sample Date		Client Info		20 Mar 2024	04 Oct 2023	28 Mar 2021
Machine Age	nrs	Client Info		0	0	0
•	nrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	MARGINAL	MARGINAL
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method	20.L	NEG	NEG	NEG
-						
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron p	ppm	ASTM D5185(m)	>100	6	6	2
Chromium p	opm	ASTM D5185(m)	>20	<1	<1	<1
Nickel p	opm	ASTM D5185(m)	>4	<1	<1	<1
Titanium p	opm	ASTM D5185(m)		0	0	0
Silver p	opm	ASTM D5185(m)	>3	0	<1	0
Aluminum p	opm	ASTM D5185(m)	>20	2	2	1
Lead p	opm	ASTM D5185(m)	>40	<1	2	<1
Copper p	opm	ASTM D5185(m)	>330	<1	1	<1
Tin p	opm	ASTM D5185(m)	>15	0	0	<1
Antimony p	opm	ASTM D5185(m)		0	0	0
Vanadium	pm	ASTM D5185(m)		0	0	0
Beryllium p	opm	ASTM D5185(m)		0	0	0
	pm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185(m)	0	<1	<1	1
	pm	ASTM D5185(m)	0	0	<1	0
	opm	ASTM D5185(m)	60	63	59	57
	pm	ASTM D5185(m)	0	0	0	<1
	opm	ASTM D5185(m)	1010	979	929	926
-	pm	ASTM D5185(m)	1070	1028	1007	977
	pm	ASTM D5185(m)	1150	997	953	960
	opm	ASTM D5185(m)	1270	1193	1157	1185
	opm	ASTM D5185(m)	2060	2475	2393	2634
	opm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185(m)	>25	1	2	3
	ppm	ASTM D5185(m)		2	2	2
	opm	ASTM D5185(m)	>20	- <1	0	<1
	%	ASTM D7593*	>5	<u> </u>	▲ 3.1	▲ 2.1
INFRA-RED		method	limit/base	current	history1	history2
Soot % %	%	ASTM D7844*	>3	0	0	0
		ASTM D7624*	>20	9.8	9.4	6.3
		ASTM D7415*	>30	19.5	19.1	18.6



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