

(EQ2206) W Machine Id Harek Road BPS (S/N 21814701)

Diesel Engine

PETRO CANADA DURON UHP 5W40 (18 QTS)

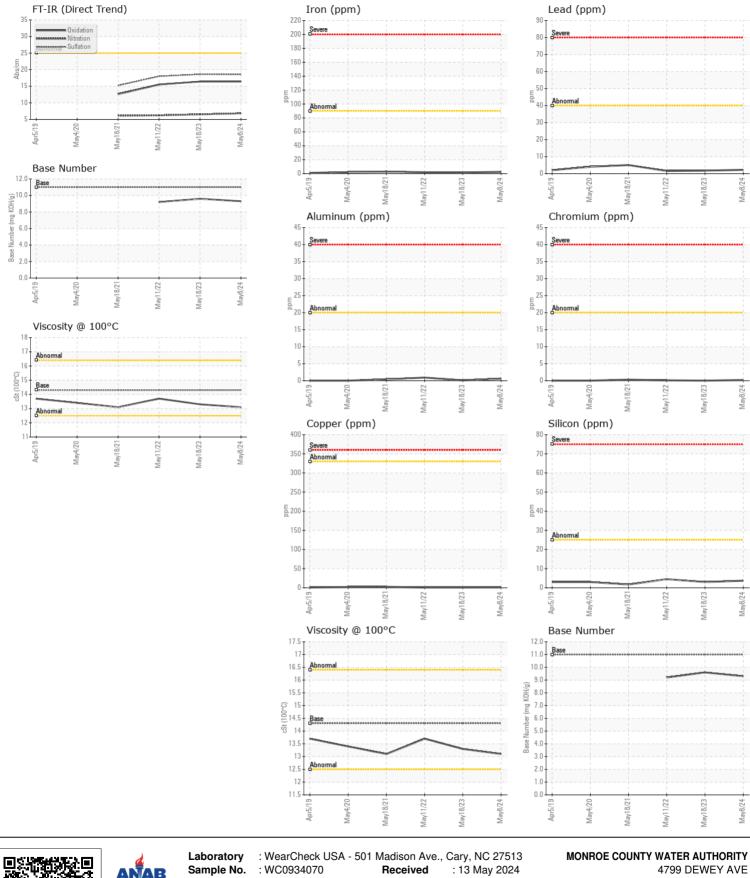
FEIRO CANADA DURON URF 5W40 (10 Q15)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0934070	WC0810888	WC0696109
	Sample Date		Client Info		08 May 2024	18 May 2023	11 May 2022
	Machine Age	hrs	Client Info		450	425	400
	Oil Age	hrs	Client Info		50	43	400
	Filter Age	hrs	Client Info		0	43	0
	Oil Changed		Client Info		Not Changd	Not Changd	Changed
	Filter Changed		Client Info		N/A	N/A	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>90	2	2	2
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	0	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m	>2	1	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
	Lead	ppm	ASTM D5185m	>40	2	2	2
	Copper	ppm	ASTM D5185m	>330	1	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	3	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	<1	0
	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
	Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.5	6.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	18.6	18.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	3	3
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	65	57	60	62
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	65	56	54	55
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		1110	1113	1145
	Calcium	ppm	ASTM D5185m		931	919	962
	Phosphorus	ppm	ASTM D5185m		1061	1048	1105
	Zinc	ppm	ASTM D5185m		1304	1340	1268
	Sulfur	ppm	ASTM D5185m		4111	4023	3198
	Oxidation	Abs/.1mm	*ASTM D7414		16.4	16.4	15.5
	Base Number (BN)	mg KOH/g	ASTM D2896	11.0	9.3	9.6	9.2

Visc @ 100°C cSt ASTM D445 14.3

13.7

13.3

13.1



Lab Number : 06176911 ROCHESTER, NY Tested : 14 May 2024 : 14 May 2024 - Sean Felton US 14612 Unique Number : 11022964 Diagnosed Test Package : MOB 1 (Additional Tests: TBN) Contact: SCOTT TRAIL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. scott.trail@mcwa.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (585)775-5257 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)