

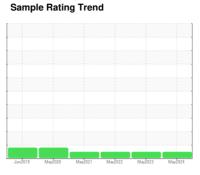
OIL ANALYSIS REPORT

(EQ4543) N

Webster Lake Water Pump Station (S/N 73279888)

Diesel Engine

PETRO CANADA DURON UHP 5W40 (22 QTS)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

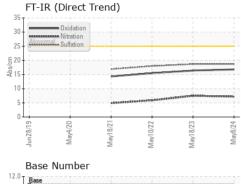
Fluid Condition

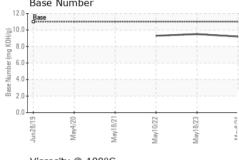
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

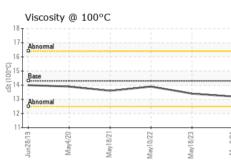
SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934059	WC0810877	WC0696098
Sample Date		Client Info		08 May 2024	18 May 2023	10 May 2022
Machine Age	hrs	Client Info		0	451	317
Oil Age	hrs	Client Info		4474	160	317
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
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
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	7	6	2
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	1	<1	<1
Silver	ppm	ASTM D5185m	>2	2	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>40	2	<1	<1
Copper	ppm	ASTM D5185m	>330	2	1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	65	62	65	77
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	65	53	51	52
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1160	1047	1042	1074
Calcium	ppm	ASTM D5185m	820	1053	1051	1083
Phosphorus	ppm	ASTM D5185m	1160	1090	1052	1130
Zinc	ppm	ASTM D5185m	1260	1336	1388	1278
Sulfur	ppm	ASTM D5185m	3000	4236	4051	3266
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	4
Sodium	ppm	ASTM D5185m		3	3	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.2	7.5	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	18.7	18.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	16.4	15.5



OIL ANALYSIS REPORT



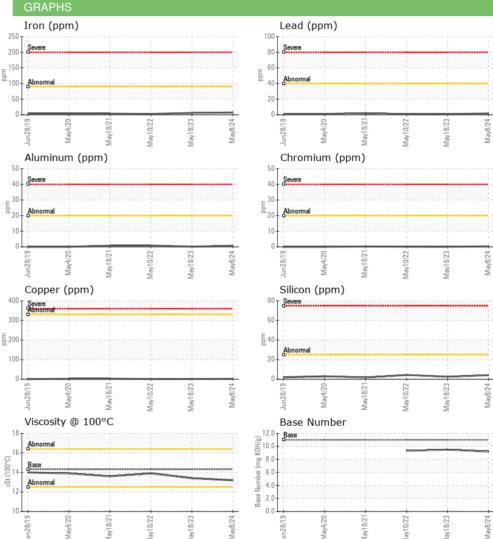




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	ΓIES	method	limit/base	current	history1	history2

Visc @ 100°C	cSt	ASTM D445	14.3	13.2	13.4	13.9

200+	5	
E 150	M-27/	
변 100 -		
50 -		
0		
50 T		
40 -		
_∈ 30 -		
E 20 -	ACL S AA	
10-	M	







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06176876

: WC0934059 Unique Number : 11022929

Received **Tested** Diagnosed

: 13 May 2024 : 14 May 2024

: 14 May 2024 - Sean Felton

MONROE COUNTY WATER AUTHORITY 4799 DEWEY AVE ROCHESTER, NY US 14612 Contact: SCOTT TRAIL

scott.trail@mcwa.com

T: (585)775-5257

Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: MONROCNY [WUSCAR] 06176876 (Generated: 05/14/2024 17:56:43) Rev: 1

Submitted By: SCOTT TRAIL