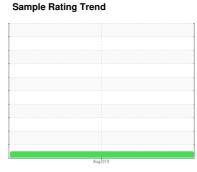


OIL ANALYSIS REPORT



NORMAL



PLANT 1 23-HPU3

Component

Pump Hydraulic System

PETRO CANADA SV 36 (60 GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA SV 36, however, a fluid match indicates that this fluid is ISO 32 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Aug2019		
SAMPLE INFORM	ATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WC0373478		
Sample Date		Client Info		14 Aug 2019		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		6000		
Oil Changed	0	Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>20	1		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	. ,	>20	0		
Lead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)		7		
Tin	ppm	ASTM D5185(m)	>20	1		
Antimony	ppm	ASTM D5185(m)	20	- <1		
Vanadium	ppm	ASTM D5185(m)		0		
		ASTM D5185(m)		0		
Beryllium Cadmium	ppm	()		2		
	ppm	ASTM D5185(m)				
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		<1		
Calcium	ppm	ASTM D5185(m)		99		
Phosphorus	ppm	ASTM D5185(m)		227		
Zinc	ppm	ASTM D5185(m)		302		
Sulfur	ppm	ASTM D5185(m)		543		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>15	0		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEANLINE	ESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>5000	4517		
Particles >6µm		ASTM D7647	>1300	466		
Particles >14µm		ASTM D7647	>160	8		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/10		
FLUID DEGRADA	ΓΙΟΝ _	method	limit/base	current	history 1	history 2
					•	

Acid Number (AN)

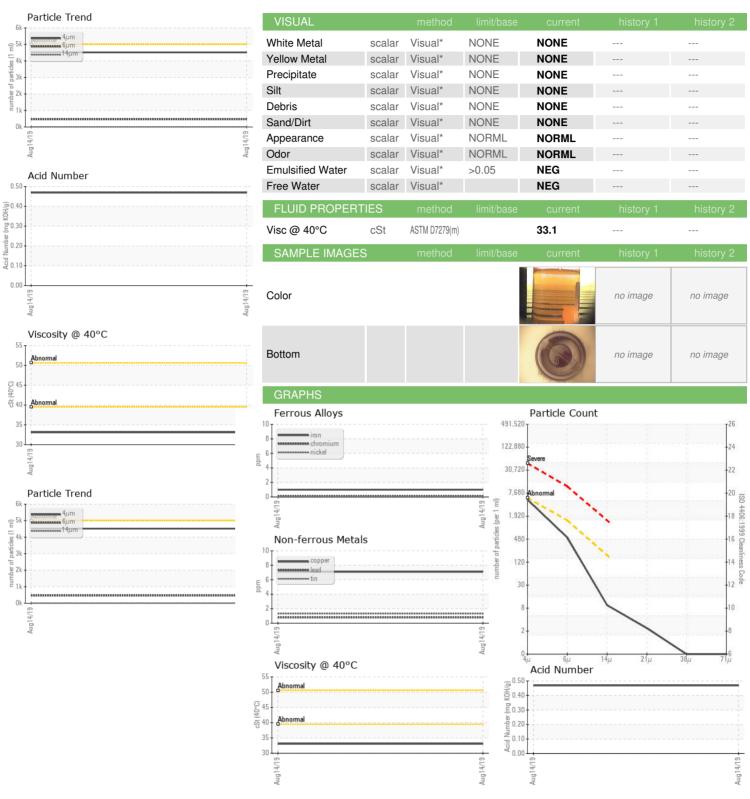
mg KOH/g ASTM D974*

Report Id: PET412PET [WCAMIS] 02302838 (Generated: 07/10/2023 09:21:54) Rev: 1

Contact/Location: Nelson Ross - PET412PET



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

Test Package : IND 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0373478

: 02302838 : 4914114

Received Diagnosed

: 16 Aug 2019

: 15 Aug 2019

: Kevin Marson Diagnostician

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. PETERBOROUGH UTILITIES INC

1867 ASHBURNHAM DRIVE PETERBOROUGH, ON CA K9L 1P8

Contact: Nelson Ross nross@pui.ca T: (705)760-6119

Validity of results and interpretation are based on the sample and information as supplied. F: (705)748-3138

Contact/Location: Nelson Ross - PET412PET