

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **100-005** Component **Swing Drive** Fluid **PETRO CANADA 30W (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

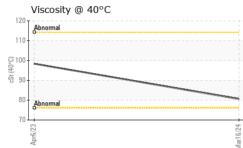
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history1 Sample Number Client Info WC0920776 LH0232537 Sample Date Client Info 16 Mar 2024 06 Apr 2023 Machine Age hrs Client Info 0 1000 Oil Age hrs Client Info 0 0 Oil Changed Client Info Changed Changed Sample Status Image NORMAL NORMAL	2
Sample Date Client Info 16 Mar 2024 06 Apr 2023 Machine Age hrs Client Info 0 1000 Oil Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info Changed Changed Sample Status NORMAL NORMAL	
Machine Age hrs Client Info 0 1000 Oil Age hrs Client Info 0 0 Oil Changed Client Info Changed Changed Sample Status V NORMAL NORMAL	
Oil Age hrs Client Info 0 Oil Changed Client Info Changed Changed Sample Status Image: Client Info NORMAL NORMAL	
Oil Changed Client Info Changed Sample Status NORMAL NORMAL	
Sample Status NORMAL NORMAL	
CONTAMINATION method limit/base current history1 history	2
Water WC Method >0.2 NEG NEG	
WEAR METALS method limit/base current history1 history	2
Iron ppm ASTM D5185(m) >400 5 11	
Chromium ppm ASTM D5185(m) >10 0	
Nickel ppm ASTM D5185(m) >10 0 <1	
Titanium ppm ASTM D5185(m) 0 <1	
Silver ppm ASTM D5185(m) 0	
Aluminum ppm ASTM D5185(m) >25 <1 2	
Lead ppm ASTM D5185(m) >50 0 <1	
Copper ppm ASTM D5185(m) >200 5 12	
Tin ppm ASTM D5185(m) >10 0 <1	
Antimony ppm ASTM D5185(m) >5 0 0	
Vanadium ppm ASTM D5185(m) 0	
Beryllium ppm ASTM D5185(m) 0	
Cadmium ppm ASTM D5185(m) 0	
ADDITIVES method limit/base current history1 history	2
Boron ppm ASTM D5185(m) 1 2	
Barium ppm ASTM D5185(m) 0	
Molybdenum ppm ASTM D5185(m) 0 <1	
Manganese ppm ASTM D5185(m) 0 <1	
Magnesium ppm ASTM D5185(m) 807 15	
Calcium ppm ASTM D5185(m) 1482 4588	
Phosphorus ppm ASTM D5185(m) 1046 960	
Zinc ppm ASTM D5185(m) 1219 1034	
Sulfur ppm ASTM D5185(m) 2893 5196	
Lithium ppm ASTM D5185(m) <1	
CONTAMINANTS method limit/base current history1 history	2
Silicon ppm ASTM D5185(m) >50 14 30	
Sodium ppm ASTM D5185(m) <1 1	
Potassium ppm ASTM D5185(m) >20 0 1	



OIL ANALYSIS REPORT



	VISUAL		method		current		history2
	White Metal	scalar	Visual*	NONE	NONE	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
	Precipitate	scalar	Visual*	NONE	NONE	NONE	
	Silt	scalar	Visual*	NONE	NONE	NONE	
	Debris	scalar	Visual*	NONE	NONE	NONE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
-	Appearance	scalar	Visual*	NORML	NORML	NORML	
	Odor	scalar	Visual*	NORML	NORML	NORML	
	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	
	Free Water	scalar	Visual*		NEG	NEG	
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D7279(m)		80.6	98.4	
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
	Color						no image
	Bottom						no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	1000 Severe			200	Severe		
bpm	500 - Abnormal			Ē 100			
				<u> </u>	Abnormal		
	0						
	0 0			0			
	Aluminum (ppm)			Apr6/23)	
	Aluminum (ppm)		0	EZigude Chromium (p	opm)	
20 AU	Aluminum (ppm)		Mart 6/24	Chromium (p	opm)	
the state state	Aluminum (ppm)		00 30 20 10	Chromium (p	opm)	
0.0.00	Aluminum (ppm)		472/91/200 600 100 100 100 100 100	Chromium (r	opm)	
and on or	Aluminum (ppm)		472/91/200 600 100 100 100 100 100	Chromium (p	opm)	
and and a	Aluminum (ppm)		00 30 20 10	Chromium (p		
and on an	Aluminum (ppm)		472/91/200 600 100 100 100 100 100	Chromium (p Silicon (ppm)		
	Aluminum (ppm)		30 Hereinia (100 150 150 150 150 150 150 150	Chromium (p Silicon (ppm)		
	Aluminum (ppm)		60000000000000000000000000000000000000	Chromium (p Silicon (ppm)		
	Aluminum (ppm)		+7291peW 40 100 100 100 100 100 100 100 100 100	Chromium (p Severe Abnomal Silicon (ppm)		
	Aluminum (ppm)		+7291peW 40 100 100 100 100 100 100 100 100 100	Chromium (p Silicon (ppm)		
	Aluminum (ppm			60000000000000000000000000000000000000	Chromium (p		
	Aluminum (ppm			+7291peW 40 100 100 100 100 100 100 100 100 100	Chromium (p Silicon (ppm) Silicon (ppm) Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal		
	Aluminum (ppm			30 40 100 100 100 100 100 100 100	Chromium (p Silicon (ppm) Silicon (ppm) Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal)	
	Aluminum (ppm			60000 mt 40000 mt 40000000000	Chromium (p Silicon (ppm) Silicon (ppm) Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal)	
	Aluminum (ppm			42000 42000 42000 42000 42000 42000 42000 4000	Chromium (p Severe Abnomal Silicon (ppm) Silicon (ppm) Severe Additives)	
, constant	Aluminum (ppm			60000 mt 40000 mt 40000000000	Chromium (p Silicon (ppm) Silicon (ppm) Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal Chromal)	
	Aluminum (ppm	75 Appleby Rece Teste Diagr	ived : 2: ed : 2: nosed : 26 sual)	150 150 150 100 100 100 100 100	Chromium (p Severe Abnomal Silicon (ppm) Silicon (ppm) Silicon (ppm) Calcium Phosphore Additives	RON SHORE EXC 100 MACI V Contact:	AVATING LT INTOSH BLV /AUGHAN, C CA L4K 4I Service Tea .team@roni.

To discuss this sample Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Report Id: RONVAU [WCAMIS] 02624391 (Generated: 03/26/2024 08:21:02) Rev: 1

CALA

ISO 17025:2017 Accredited Laboratory

F: