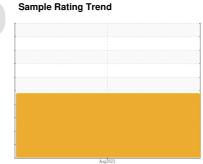


OIL ANALYSIS REPORT



PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)





DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: PM-4 changed fluid)

Wear

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

▲ Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

	J.,,			Aug ² 023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0086413		
Sample Date		Client Info		02 Aug 2023		
Machine Age	hrs	Client Info		2544		
Oil Age	hrs	Client Info		2544		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	1656		
Chromium	ppm	ASTM D5185m	>10	<u></u> 31		
Nickel	ppm	ASTM D5185m	>5	2		
Titanium	ppm	ASTM D5185m	>15	1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>75	18		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	30		
Tin	ppm	ASTM D5185m	>8	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	△ 382		
Barium	ppm	ASTM D5185m	0	5		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	<u>^</u> 21		
Magnesium	ppm	ASTM D5185m	9	A 861		
Calcium	ppm	ASTM D5185m	3114	▲ 82		
Phosphorus	ppm	ASTM D5185m	1099	1528		
Zinc	ppm	ASTM D5185m	1245	<u></u> ▲ 85		
Sulfur	ppm	ASTM D5185m	7086	25163		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	86		
Sodium	ppm	ASTM D5185m		16		
Potassium	ppm	ASTM D5185m	>20	7		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Visc @ 40°C

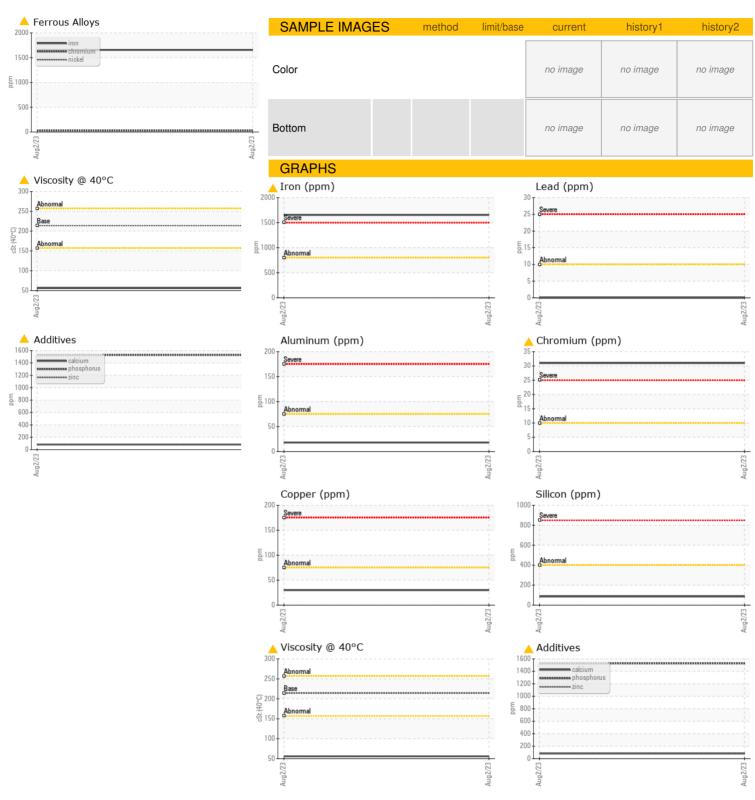
cSt

ASTM D445 213.9

55.9



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number

: PCA0086413 : 05926891 : 10606838 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Aug 2023 : 18 Aug 2023 Diagnosed Diagnostician : Don Baldridge

Kemp Quarries - Pryor Stone - Pryor

1050 E 520 Rd Pryor, OK US 74361

Contact:

pryor@pryorstone.com

T: F:

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)