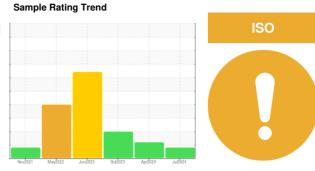


OIL ANALYSIS REPORT

HOLD-BAG **HOLDING KETTLE C**

Refrigeration Compressor

PETRO CANADA PURITY FG EP GEAR OIL 220 (1 GAL)



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

Fluid Condition

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

L ZZO (1 GAZ)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012268	USP0006696	USP0001370
Sample Date		Client Info		11 Jul 2024	25 Apr 2024	10 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	4	1	8 3
Chromium	ppm	ASTM D5185m	>2	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	<1	0	<1
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	2
Calcium	ppm	ASTM D5185m		0	0	4
Phosphorus	ppm	ASTM D5185m		604	503	599
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		659	554	553
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	12	10	9
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>0.01	0.001	0.001	0.003
ppm Water	ppm	ASTM D6304	>100	2	13	25.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	15130	19448	▲ 109922
Particles >6μm		ASTM D7647	>2500	1996	2737	▲ 17997
Particles >14μm		ASTM D7647	>640	77	168	450
Particles >21µm		ASTM D7647	>160	15	40	77
Particles >38μm		ASTM D7647	>40	1	1	3
Particles >71µm		ASTM D7647	>10	0	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/16	2 1/18/13	21/19/15	<u>4</u> 24/21/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.51	0.48	0.51	0.48



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06234985

: USP0012268 Unique Number : 11123819

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 12 Jul 2024 : 15 Jul 2024 Diagnosed : 15 Jul 2024 - Doug Bogart

KraftHeinz - Cedar Rapids - Plant 8370 4601 C ST SW

CEDAR RAPIDS, IA US 52404

Contact: Service Manager

Test Package : IND 2 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

T:

F: