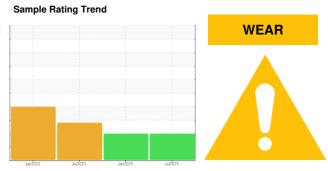


OIL ANALYSIS REPORT

PHASE 1 HTS HT 02

Agitator Gearbox

PETRO CANADA PURITY FG SYNTH EP GEAR 220 (--- LTR)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 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.

EAN 220 (L11	1)	Janzuz	3 3012023	Janzoz4 J	112.02.4	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0124932	PCA0111045	USP244677
Sample Date		Client Info		08 Jul 2024	08 Jan 2024	17 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	4	7	6
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	2	<1
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>50	<u>^</u> 71	<u>\$9</u>	△ 68
Tin	ppm	ASTM D5185m	>10	0	<1	<1
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		21	30	22
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		2	<1	<1
Calcium	ppm	ASTM D5185m		<1	3	2
Phosphorus	ppm	ASTM D5185m		869	909	751
Zinc	ppm	ASTM D5185m		30	10	16
Sulfur	ppm	ASTM D5185m		12731	14848	12646
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10	8	11
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	1	<1
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u>46210</u>	33790	<u>▲</u> 139669
Particles >6µm		ASTM D7647	>5000	<u> </u>	7297	▲ 30755
Particles >14µm		ASTM D7647	>640	307	394	<u> </u>
Particles >21µm		ASTM D7647	>160	41	92	<u>▲</u> 427
Particles >38μm		ASTM D7647	>40	2	2	15
Particles >71μm		ASTM D7647		0	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>23/20/15</u>	22/20/16	<u>4</u> 24/22/18
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	1/01::	10T11 D00:-			4.0=4	4 = 0



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: PCA0124932 : 06233249 Unique Number : 11116742

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jul 2024 Tested

: 12 Jul 2024 Diagnosed

: 12 Jul 2024 - Don Baldridge

KraftHeinz - Mason City - Plant 8360 1022 12TH ST MASON CITY, IA US 50401 Contact: Service Manager

Test Package : IND 2 (Additional Tests: PrtCount) 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)

F: (641)421-2936 Submitted By: Zachary Patterson