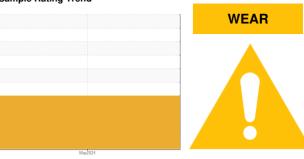


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NOT GIVEN WC0929992 (S/N NO INFO ON SIF/BOTTLE)

Gearbox

PETRO CANADA PURITY FG EP GEAR OIL 220 (

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

Bearing and/or gear wear is indicated.

Contamination

There is a high amount of particulates present in the oil.

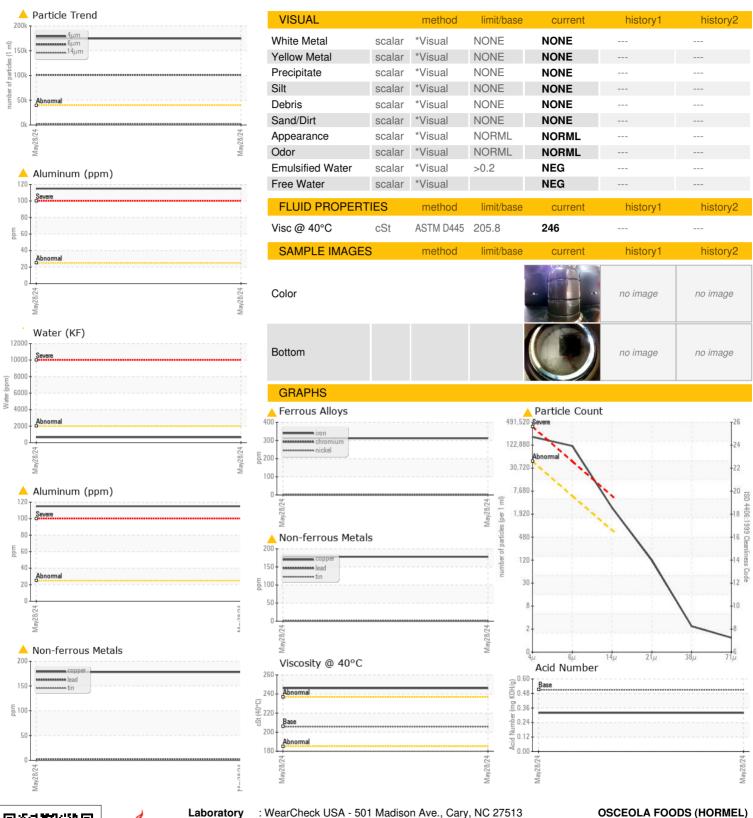
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Chromium	220 (GAL)				May2024		
Sample Number Sample Date Sample Date Sample Date Machine Age hrs Client Info 0 0	SAMPLE INFORM	MATION	method	limit/base	current	history1	historv2
Sample Date							
Machine Age hrs Client Info 0							
Dil Changed	•	lawa			-		
Dil Changed Client Info N/A					_		
Bample Status ABNORMAL WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >200 ▲ 312 Chromium ppm ASTM D5185m >15 1 Sickel ppm ASTM D5185m >15 2 Silver ppm ASTM D5185m 2 Aluminum ppm ASTM D5185m 25 ▲ 115 Audinium ppm ASTM D5185m >20 Copper ppm ASTM D5185m >20 Fine ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Copper ASTM D5185m 116 <td< td=""><td>J .</td><td>nrs</td><td></td><td></td><td>· ·</td><td></td><td></td></td<>	J .	nrs			· ·		
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >200 ▲ 312 Chromium ppm ASTM D5185m >15 1 Nickel ppm ASTM D5185m >15 2 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 1 Lead ppm ASTM D5185m >20 ▲ 178 AODPP ppm ASTM D5185m 0	<u> </u>		Client Info				
Chromium					ABNORMAL		
Description Description	WEAR METALS		method	limit/base	current	history1	history2
Sirkel	ron	ppm	ASTM D5185m	>200			
ASTM D5185m D5195m D51	Chromium	ppm	ASTM D5185m	>15	1		
Silver	Nickel	ppm	ASTM D5185m	>15	2		
Aluminum ppm ASTM D5185m >25	Γitanium	ppm	ASTM D5185m		2		
Lead ppm ASTM D5185m >100 1 Copper ppm ASTM D5185m >200 ▲ 178 Zadmium ppm ASTM D5185m 25 <1	Silver	ppm	ASTM D5185m		0		
ASTM D5185m South Point South Point	Aluminum	ppm	ASTM D5185m	>25	<u> </u>		
ASTM D5185m D0	_ead	ppm	ASTM D5185m	>100	1		
Aranadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 116 Barium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 2083 Calcium ppm ASTM D5185m 324 Phosphorus ppm ASTM D5185m 324 Phosphorus ppm ASTM D5185m 30 Phosphorus ppm ASTM D5185m 30 Cilico ppm ASTM D5185m 796 Cinc ppm ASTM D5185m 5 </td <td>Copper</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>200</td> <td><u> </u></td> <td></td> <td></td>	Copper	ppm	ASTM D5185m	>200	<u> </u>		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 116 Barium ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 5 Manganesium ppm ASTM D5185m 2083 Calcium ppm ASTM D5185m 324 Phosphorus ppm ASTM D5185m 324 Zinc ppm ASTM D5185m 30 Zinc ppm ASTM D5185m 30 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 12	Γin	ppm	ASTM D5185m	>25	<1		
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Boron ppm ASTM D5185m 116 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 8 Calcium ppm ASTM D5185m 2083 Phosphorus ppm ASTM D5185m 324 Zinc ppm ASTM D5185m 324 Zinc ppm ASTM D5185m 796 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >50 12 Potassium ppm ASTM D5185m >50 12 Potassium ppm ASTM D5185m >50 12 Potassium ppm ASTM D5185m >20 4 Popm Water 9% ASTM D6304 >0.2 0.065 Popm Water ppm ASTM D6304 >2000 650 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4μm ASTM D7647 >40000 174471 Particles >14μm ASTM D7647 >640 2482 Particles >21μm ASTM D7647 >640 2482 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Dil Cleanliness ISO 4406 (c) >22/19/16 25/24/18 FLUID DEGRADATION method limit/base current history1 history1 Pistory1 Pistory2 Pistory1 Pistory2 Pistory2 Pistory3 Pistory4	Cadmium				0		
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Solifur So					324		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 12 Sodium ppm ASTM D5185m 58 Potassium ppm ASTM D5185m >20 4 Vater % ASTM D6304 >0.2 0.065 Pom Water ppm ASTM D6304 >2000 650 Particles >4μm ASTM D7647 >40000 174471 Particles >6μm ASTM D7647 >5000 101078 Particles >14μm ASTM D7647 >640 2482 Particles >21μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Particles >71μm ASTM D7647 >10 1					_		
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Particles >4μm ASTM D7647 >40000 ▲ 174471 Particles >6μm ASTM D7647 >5000 ▲ 101078 Particles >14μm ASTM D7647 >640 ▲ 2482 Particles >21μm ASTM D7647 >160 106 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Particles >71μm ASTM D	opm Water	ppm	ASTM D6304	>2000	650		
Particles >6μm ASTM D7647 >5000 ▲ 101078 Particles >14μm ASTM D7647 >640 ▲ 2482 Particles >21μm ASTM D7647 >160 106 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Dil Cleanliness ISO 4406 (c) >22/19/16 25/24/18 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >640 ▲ 2482 Particles >21μm ASTM D7647 >160 106 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Dil Cleanliness ISO 4406 (c) >22/19/16 25/24/18 FLUID DEGRADATION method limit/base current history1 history1	Particles >4µm		ASTM D7647	>40000	<u> </u>		
Particles >21μm ASTM D7647 >160 106 Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Dil Cleanliness ISO 4406 (c) >22/19/16 ▲ 25/24/18 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >38μm ASTM D7647 >40 2 Particles >71μm ASTM D7647 >10 1 Dil Cleanliness ISO 4406 (c) >22/19/16 25/24/18 FLUID DEGRADATION method limit/base current history1 history1	Particles >14μm		ASTM D7647	>640	<u> </u>		
Particles >71μm ASTM D7647 >10 1 Dil Cleanliness ISO 4406 (c) >22/19/16 ▲ 25/24/18 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>160	106		
Dil Cleanliness ISO 4406 (c) >22/19/16 ▲ 25/24/18 FLUID DEGRADATION method limit/base current history1 history1	Particles >38µm		ASTM D7647	>40	2		
Dil Cleanliness ISO 4406 (c) >22/19/16 ▲ 25/24/18 FLUID DEGRADATION method limit/base current history1 history1	Particles >71µm		ASTM D7647	>10	1		
·	Oil Cleanliness			>22/19/16	25/24/18		
Acid Number (AN) mg KOH/g ASTM D8045 0.51 0.32	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	0.32		



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WC0929992 Lab Number : 06204643 Unique Number : 11072104

Received : 10 Jun 2024 Tested : 12 Jun 2024 Diagnosed

: 12 Jun 2024 - Doug Bogart

Test Package : IND 2 (Additional Tests: KF, 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)

OSCEOLA FOODS (HORMEL)

1027 WARREN AVE OSCEOLA, IA US 50213

Contact: WADE MYERS wlmyers@hormel.com T: (641)342-8043

F: (641)342-8047 Contact/Location: WADE MYERS - OSCOSC