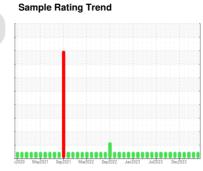


OIL ANALYSIS REPORT



Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (90 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

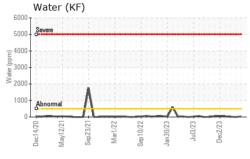
Fluid Condition

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

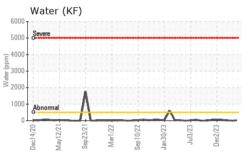
LIC 46 (90 GAL)		c2020 May20	21 Sep 2021 Mar 2022	Sep2022 Jan2023 Jul2023	Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0916590	WC0909174	WC0887338
Sample Date		Client Info		02 Apr 2024	28 Feb 2024	31 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>40	0	0	0
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	2	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>60	0	0	<1
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		0	0	0
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		3	<1	0
Phosphorus	ppm	ASTM D5185m		453	416	412
Zinc	ppm	ASTM D5185m		2	7	0
Sulfur	ppm	ASTM D5185m		501	357	474
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2	1	2
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.003	0.00	0.002
ppm Water	ppm	ASTM D6304	>500	35	0	18
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	176	225	359
Particles >6µm		ASTM D7647	>1300	61	78	87
Particles >14µm		ASTM D7647	>160	9	9	8
Particles >21µm		ASTM D7647	>40	2	2	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	15/13/10	15/13/10	16/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.21	0.25	0.22

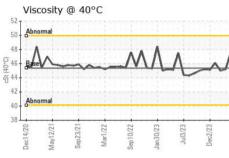


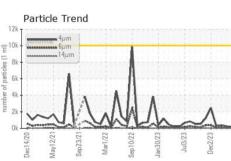
OIL ANALYSIS REPORT



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Dec14/20	May12/21.	Sep23/21	Mar1/22	Sep10/22	Jan30/23	Jul3/23	Dec2/23	







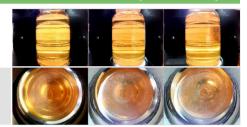
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIFS	method	limit/base	current	history1	history2

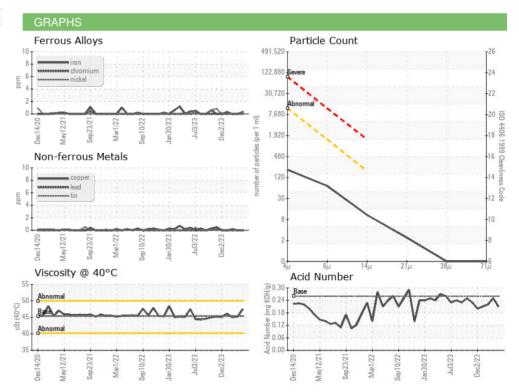
Visc @ 40°C	cSt	ASTM D445	45.36	47.5	45.2	45.0

Color			

SAMPLE IMAGES

Bottom





: 03 Apr 2024

: 04 Apr 2024

: 05 Apr 2024 - Don Baldridge





Lab Number : 06137396

Laboratory Sample No.

: WC0916590

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

Unique Number : 10956861 Diagnosed

Test Package : IND 2 (Additional Tests: KF) Certificate 12367 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.

OSCEOLA FOODS (HORMEL)

1027 WARREN AVE OSCEOLA, IA US 50213

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

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (641)342-8047

Report Id: OSCOSC [WUSCAR] 06137396 (Generated: 04/05/2024 18:12:34) Rev: 1

Contact/Location: WADE MYERS - OSCOSC