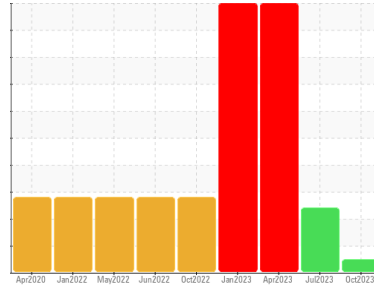


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[98498120]
 Machine Id
KR-GR-003240 - INCLINE AUGER B (SOUTH) (S/N INJECT B - 11513041)
 Component
Gearbox
 Fluid
PETRO CANADA 220 (6 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0091773	PCA0101712	PCA0094738
Sample Date	Client Info	23 Oct 2023	17 Jul 2023	19 Apr 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	ABNORMAL	SEVERE

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	<1	2	1956
Chromium	ppm	ASTM D5185m >15	<1	1	9
Nickel	ppm	ASTM D5185m >15	0	1	<1
Titanium	ppm	ASTM D5185m	0	1	<1
Silver	ppm	ASTM D5185m	0	3	0
Aluminum	ppm	ASTM D5185m >25	2	0	2
Lead	ppm	ASTM D5185m >100	<1	8	0
Copper	ppm	ASTM D5185m >200	<1	2	1
Tin	ppm	ASTM D5185m >25	0	3	0
Vanadium	ppm	ASTM D5185m	0	2	<1
Cadmium	ppm	ASTM D5185m	0	<1	<1

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	38	2	18
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	<1	1	<1
Manganese	ppm	ASTM D5185m	0	<1	9
Magnesium	ppm	ASTM D5185m	1	20	2
Calcium	ppm	ASTM D5185m	445	0	43
Phosphorus	ppm	ASTM D5185m	330	131	291
Zinc	ppm	ASTM D5185m	0	0	40
Sulfur	ppm	ASTM D5185m	14965	12295	10943

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	<1	3	21
Sodium	ppm	ASTM D5185m	4	44	11
Potassium	ppm	ASTM D5185m >20	2	103	<1

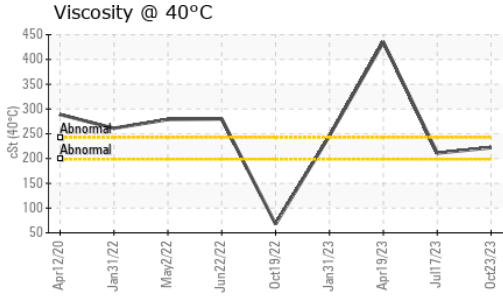
VISUAL

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	MODER
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	▲ HAZY	▲ MILKY
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	NEG	0.2%	0.2%
Free Water	scalar	*Visual	NEG	NEG	▲ 1.0

FLUID PROPERTIES

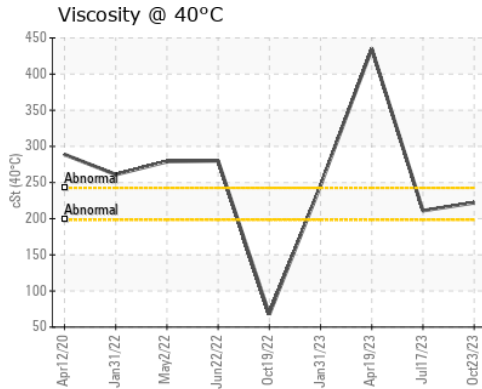
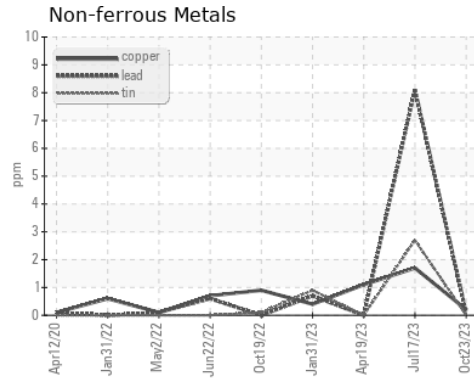
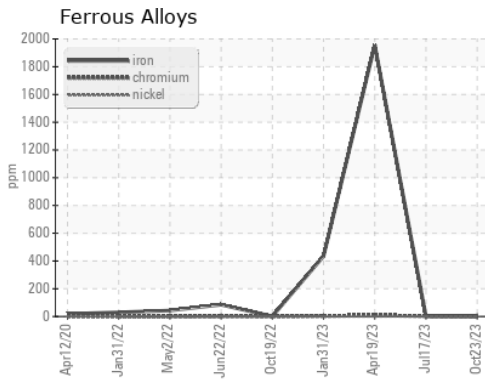
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	222	211	▲ 435

OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0091773
Lab Number : 05987059
Unique Number : 10709721
Test Package : IND 1

Received : 23 Oct 2023
Diagnosed : 25 Oct 2023
Diagnostician : Jonathan Hester

KraftHeinz - Kirksville - Plant 8333 PCA
 2504 INDUSTRIAL DR
 KIRKSVILLE, MO
 US 63501
 Contact: WALLACE WARD
 wallace.ward@kraftheinzcompany.com
 T: (660)627-1031
 F: (660)627-5887

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)