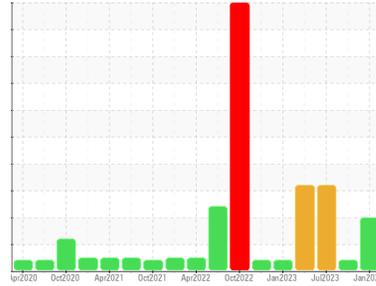


OIL ANALYSIS REPORT

Sample Rating Trend



Area
GRIND ROOM [98677628]
 Machine Id
KR-GR-002931 - GRINDER A2 (WEST) (S/N GRIND A - 11513024)
 Component
Gearbox
 Fluid
PETRO CANADA 220 (6 QTS)

DIAGNOSIS

Recommendation
 No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 98677628)

Wear
 All component wear rates are normal.

Contamination
 Elemental level of silicon (Si) above normal.

Fluid Condition
 Viscosity of sample indicates oil is within ISO 150 range, advise investigate. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0088769	PCA0091775	PCA0101719
Sample Date	Client Info	11 Jan 2024	23 Oct 2023	17 Jul 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ATTENTION	SEVERE

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	22	14	65
Chromium	ppm ASTM D5185m >15	<1	<1	3
Nickel	ppm ASTM D5185m >15	0	0	0
Titanium	ppm ASTM D5185m	0	0	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	2	2	4
Lead	ppm ASTM D5185m >100	0	<1	<1
Copper	ppm ASTM D5185m >200	7	5	9
Tin	ppm ASTM D5185m >25	0	<1	<1
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	2	2	<1
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	0	<1	1
Manganese	ppm ASTM D5185m	8	4	1
Magnesium	ppm ASTM D5185m	<1	<1	4
Calcium	ppm ASTM D5185m	3	5	13
Phosphorus	ppm ASTM D5185m	109	103	201
Zinc	ppm ASTM D5185m	0	0	9
Sulfur	ppm ASTM D5185m	7335	6797	5275

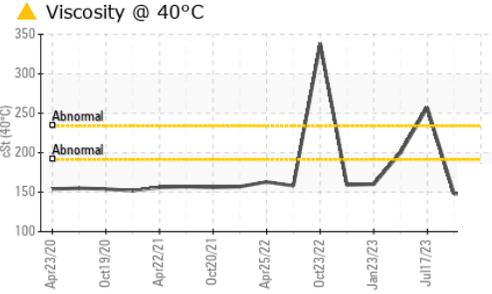
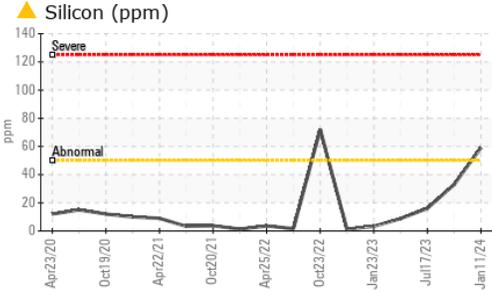
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	▲ 59	33	16
Sodium	ppm ASTM D5185m	0	0	2
Potassium	ppm ASTM D5185m >20	2	2	5

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	LIGHT	MODER
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	LIGHT	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	NONE	NONE
Appearance	scalar *Visual NORML	NORML	NORML	THICK
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >0.2	NEG	NEG	● 0.2%
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

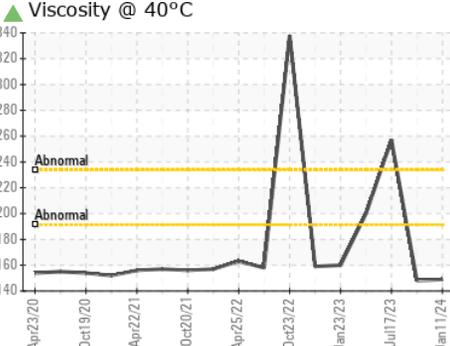
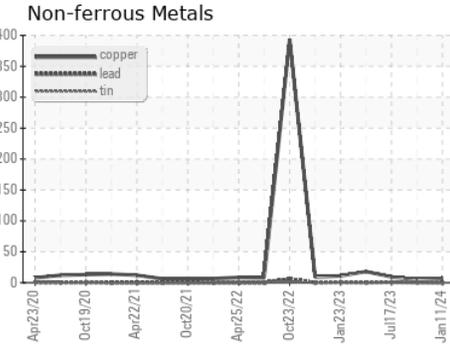
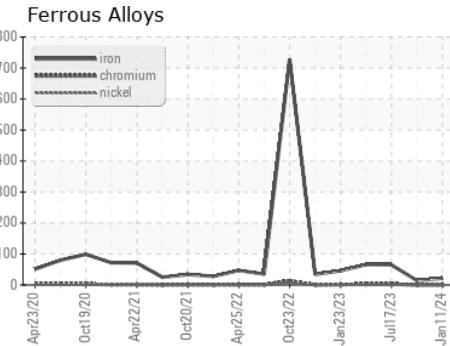


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		▲ 149	▲ 148	257

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color	no image		
Bottom	no image		

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0088769
Lab Number : 06066036
Unique Number : 10842713
Test Package : IND 1

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)