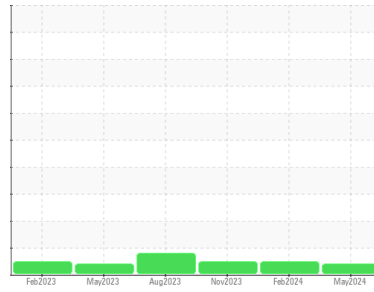




OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



Area

82

Machine Id

[82] A82 A11

Component

Agitator Gearbox

Fluid

HIGH PERFORMANCE LUBRICANTS GEAR LIFE 220 (5 GAL)

DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition. (Customer Sample Comment: Noticed the unknown debris contamination on the bottom of the sample bottle. Going to change the oil ASAP and flush the gearbox.)

Wear

All component wear rates are normal.

Contamination

High concentration of visible dirt/debris 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		HPL0003928	HPL0003926	HPL0003005
Sample Date	Client Info		16 May 2024	01 Feb 2024	06 Nov 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	20080	17200	16480
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ABNORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	37	24	23
Chromium	ppm	ASTM D5185m >10	<1	<1	0
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	1	2	<1
Lead	ppm	ASTM D5185m >100	<1	0	0
Copper	ppm	ASTM D5185m >50	<1	0	0
Tin	ppm	ASTM D5185m >10	<1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	0
Barium	ppm	ASTM D5185m	0	5	2
Molybdenum	ppm	ASTM D5185m	1	0	0
Manganese	ppm	ASTM D5185m	0	0	<1
Magnesium	ppm	ASTM D5185m	<1	0	3
Calcium	ppm	ASTM D5185m	95	93	97
Phosphorus	ppm	ASTM D5185m	529	542	534
Zinc	ppm	ASTM D5185m	846	809	956
Sulfur	ppm	ASTM D5185m	13016	12957	9149

CONTAMINANTS

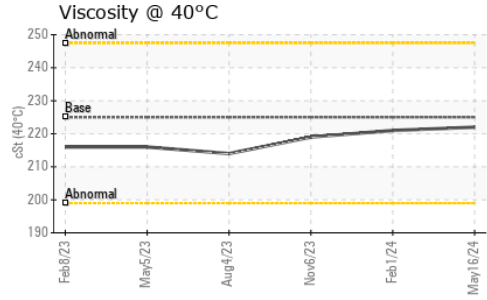
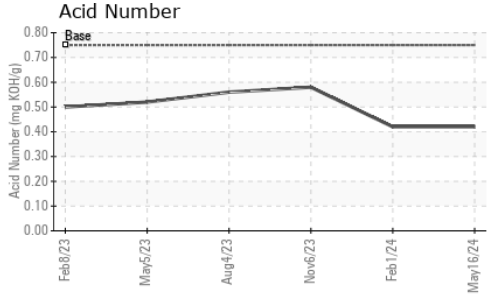
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	3	<1	2
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	2	1	<1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.75	0.42	0.42	0.58



OIL ANALYSIS REPORT



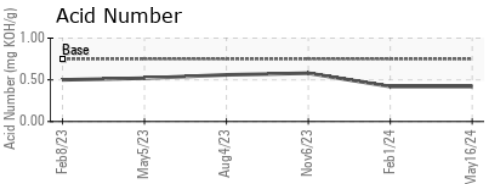
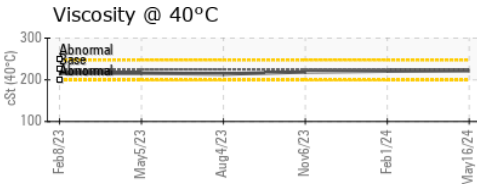
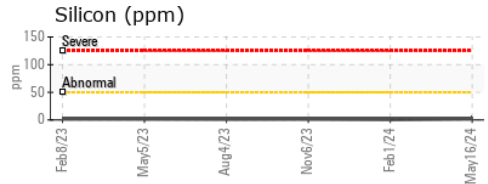
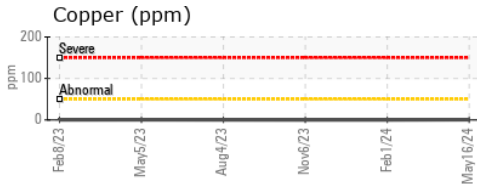
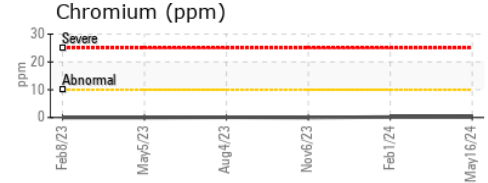
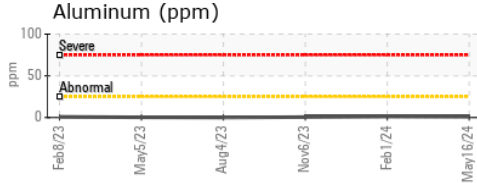
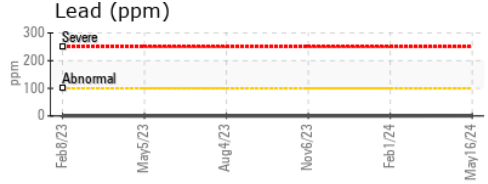
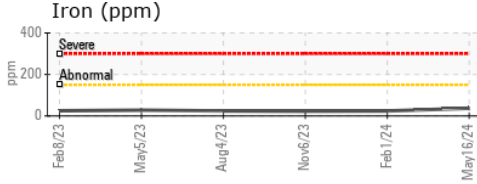
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	▲ HEAVY	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	225	222	221	219

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0003928 **Received** : 20 May 2024
Lab Number : 06185203 **Tested** : 21 May 2024
Unique Number : 11036529 **Diagnosed** : 22 May 2024 - Sean Felton
Test Package : MOB 2

KENSING
 2525 S KENSINGTON RD
 KANKAKEE, IL
 US 60901

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: TIM HUBERT
timothy.hubert@kensingolutions.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (815)939-8918

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: