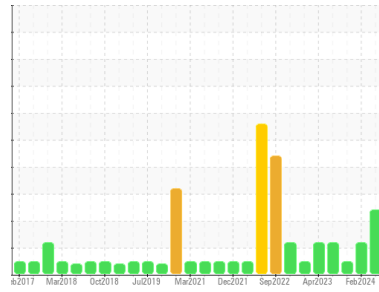




OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Machine Id
GARDNER DENVER 6 (S/N U92804)
 Component
Compressor
 Fluid
USPI MAX FG AIR 46 (--- GAL)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.
 NOTE: one of two samples received with same ID.

Wear
 All component wear rates are normal.

Contamination
 There is a moderate amount of particulates present in the oil.

Fluid Condition
 The AN level is approaching the top-end of the recommended limit.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USPM36347	USPM30148	USPM27126
Sample Date	Client Info		02 Jun 2024	26 Feb 2024	15 Jun 2023
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			ATTENTION	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	0
Chromium	ppm	ASTM D5185m >10	0	<1	0
Nickel	ppm	ASTM D5185m	0	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	<1
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	3	2	0
Tin	ppm	ASTM D5185m >15	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	0
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 0	0	<1	0
Calcium	ppm	ASTM D5185m 0	<1	0	<1
Phosphorus	ppm	ASTM D5185m 0	0	4	5
Zinc	ppm	ASTM D5185m 0	2	0	0
Sulfur	ppm	ASTM D5185m 0	0	0	0

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0	0
Sodium	ppm	ASTM D5185m	<1	0	0
Potassium	ppm	ASTM D5185m >20	0	<1	<1
Water	%	ASTM D6304 >0.1	0.029	0.013	0.045
ppm Water	ppm	ASTM D6304 >1000	295	135	459.0

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	3628	2503	118
Particles >6µm	ASTM D7647	>2500	1475	505	22
Particles >14µm	ASTM D7647	>320	352	41	3
Particles >21µm	ASTM D7647	>80	130	14	1
Particles >38µm	ASTM D7647	>20	8	1	0
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	19/18/16	19/16/13	14/12/9

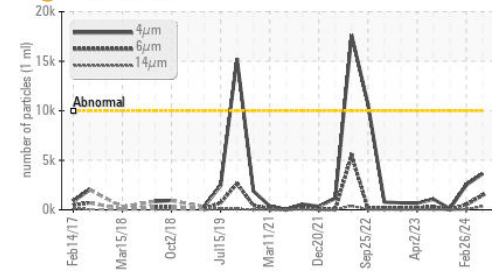
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.16	1.69	2.91	0.06

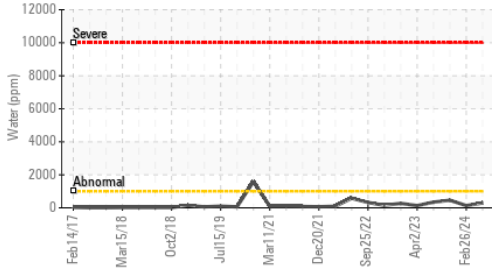


OIL ANALYSIS REPORT

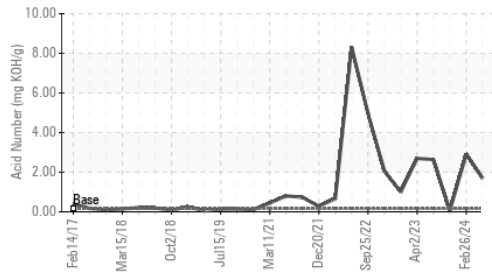
● Particle Trend



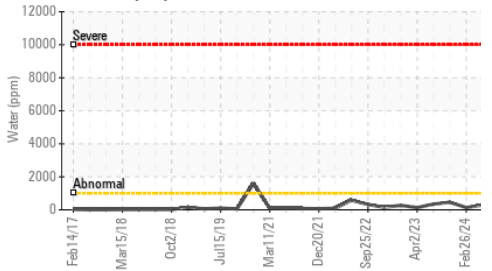
↕ Water (KF)



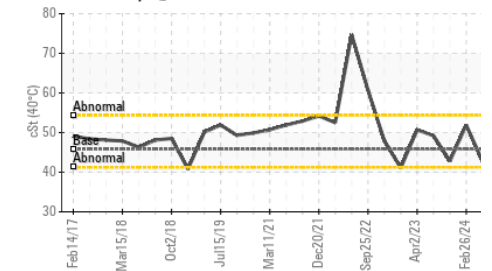
▲ Acid Number



↕ Water (KF)



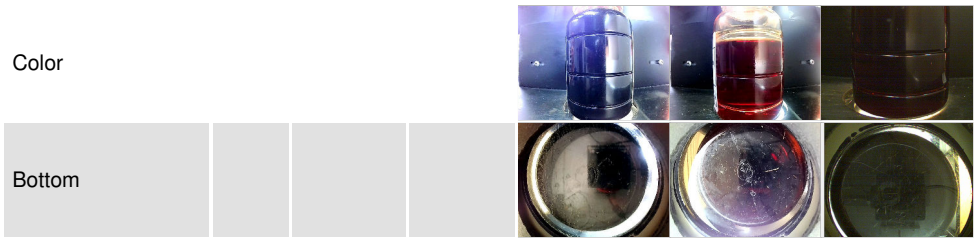
Viscosity @ 40°C



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	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
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

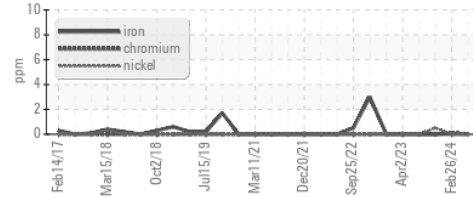
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.8	42.7	51.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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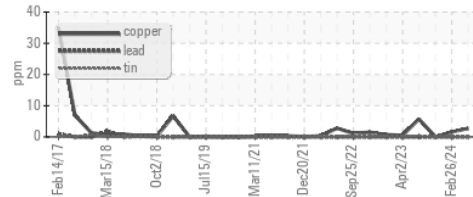


GRAPHS

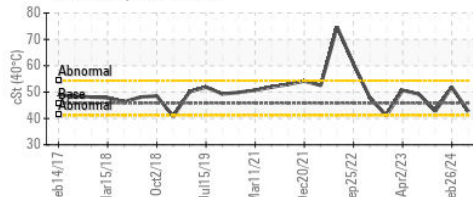
Ferrous Alloys



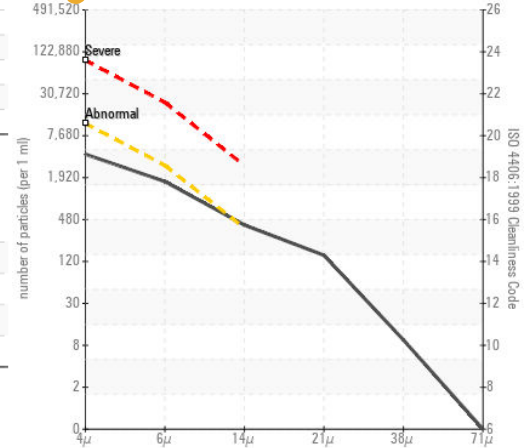
Non-ferrous Metals



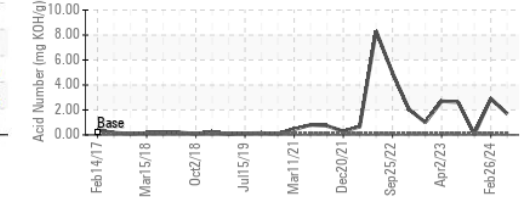
Viscosity @ 40°C



● Particle Count



▲ Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : USPM36347
 Lab Number : 06197663
 Unique Number : 11059786
 Test Package : IND 2

Received : 03 Jun 2024
 Tested : 04 Jun 2024
 Diagnosed : 05 Jun 2024 - Doug Bogart

CARGILL

FORT MORGAN, CO
 US
 Contact:

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)

T:
 F: