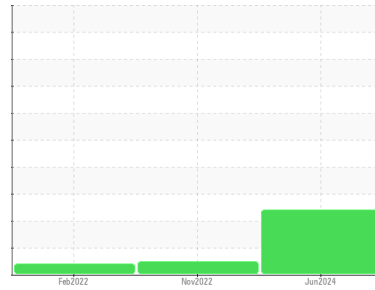


# OIL ANALYSIS REPORT

Sample Rating Trend



**ADDITIVES**



Machine Id

**KAESER DSD175 7765571 (S/N 1150)**

Component

**Compressor**

Fluid

**KAESER SIGMA (OEM) FG-460 (--- GAL)**

**DIAGNOSIS**

**▲ Recommendation**

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**▲ Contamination**

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

**● Fluid Condition**

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>KCPA017601</b>	KCP40228D	KCP34826
Sample Date	Client Info			<b>10 Jun 2024</b>	01 Nov 2022	10 Feb 2022
Machine Age	hrs	Client Info		<b>13237</b>	5807	2466
Oil Age	hrs	Client Info		<b>6186</b>	3341	2466
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>3</b>	0	<1
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>1</b>	5	9
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>4</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>1</b>	0	11
Calcium	ppm	ASTM D5185m		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	500	<b>● 23</b>	43	2
Zinc	ppm	ASTM D5185m		<b>● 3</b>	23	0
Sulfur	ppm	ASTM D5185m		<b>● 134</b>	2495	15648

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	0	<1
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	3
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Water	%	ASTM D6304	>0.05	<b>0.003</b>	0.003	0.010
ppm Water	ppm	ASTM D6304	>500	<b>27</b>	38.0	100.9

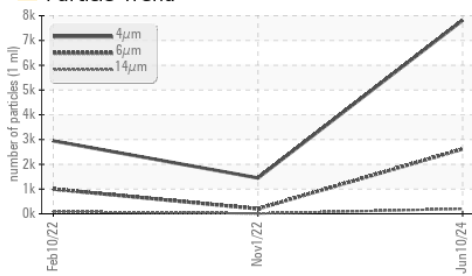
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>7814</b>	1447	2945
Particles >6µm		ASTM D7647	>1300	<b>▲ 2615</b>	202	998
Particles >14µm		ASTM D7647	>80	<b>▲ 200</b>	13	● 89
Particles >21µm		ASTM D7647	>20	<b>23</b>	5	16
Particles >38µm		ASTM D7647	>4	<b>1</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>--/17/13	<b>▲ 20/19/15</b>	18/15/11	● 17/14

FLUID DEGRADATION		method	limit/base	current	history1	history2
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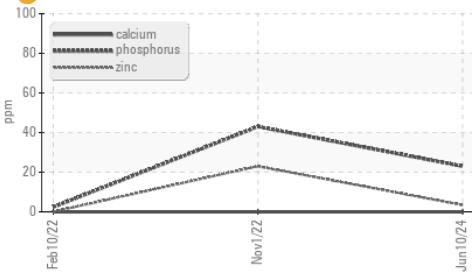
Acid Number (AN) mg KOH/g ASTM D8045 1.5 **0.99** 0.24 0.41

# OIL ANALYSIS REPORT

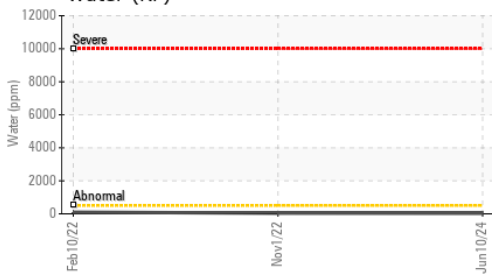
### ▲ Particle Trend



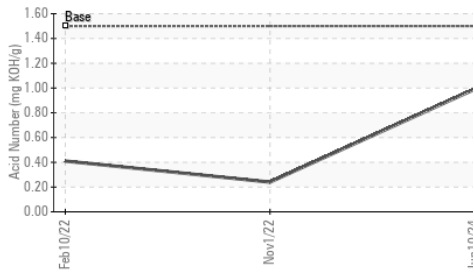
### ● Additives



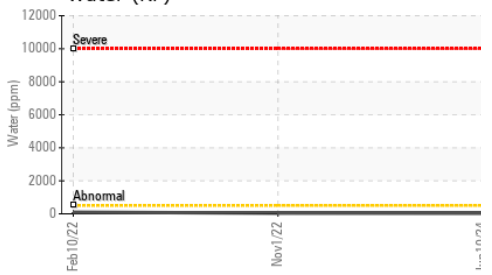
### ▲ Water (KF)



### Acid Number



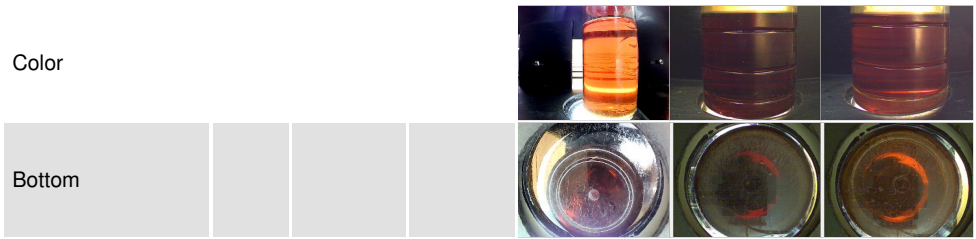
### Water (KF)



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	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

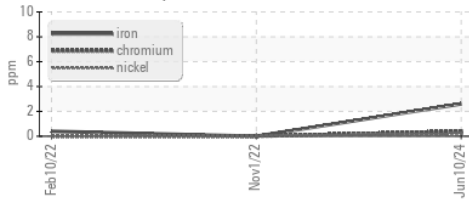
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	49.0	47.0	45.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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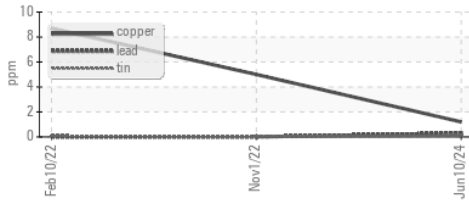


## GRAPHS

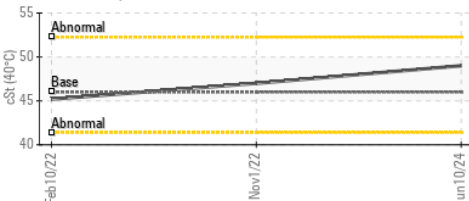
### ▲ Ferrous Alloys



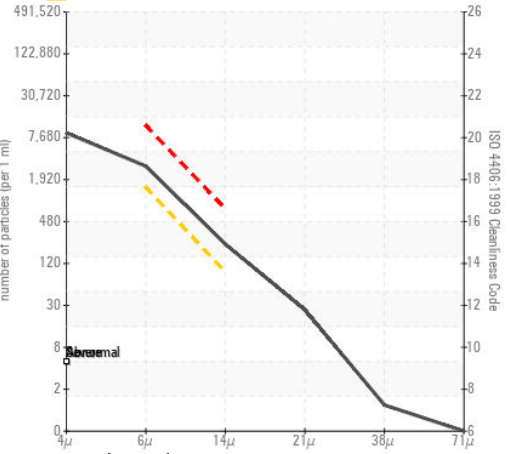
### ▲ Non-ferrous Metals



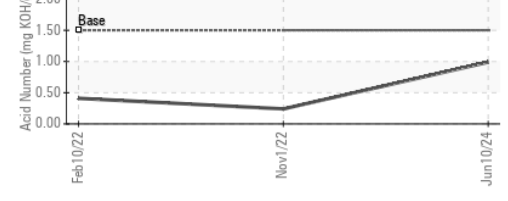
### ▲ Viscosity @ 40°C



### ▲ Particle Count



### ▲ Acid Number



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCPA017601  
**Lab Number** : 06209241  
**Unique Number** : 11076702  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )  
**Received** : 13 Jun 2024  
**Tested** : 17 Jun 2024  
**Diagnosed** : 17 Jun 2024 - Angela Borella

**PILGRIMS PRIDE CORPORATION**  
 19740 US HWY 90  
 LIVE OAK, FL  
 US 32064  
 Contact: KARLA BOLIN  
 karla.bolin@pilgrims.com

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)