

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

ISO

## PASTA [98777342] Machine Id RAILCAR UNLOAD WEST

Blower Fluid

## GEAR OIL ISO 320 (--- GAL)

## DIAGNOSIS

#### Recommendation

The oil 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**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

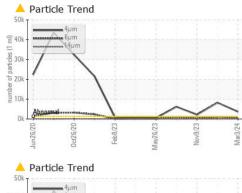
						Ŏ
		Jun2020	0ct2020 Feb2023	May2023 Nov2023	Mar2024	
SAMPLE INFORM			limit/base	current	history1	history2
Sample Number		Client Info		PCA0111837	PCA0111836	PCA0111842
Sample Date	la va	Client Info		03 Mar 2024	05 Jan 2024	09 Nov 2023
Machine Age	hrs	Client Info Client Info		0	0	0
Oil Age Oil Changed	hrs	Client Info		-	Changed	Changed
U		Client into		Changed ABNORMAL	ABNORMAL	ATTENTION
Sample Status	<u></u>			-	-	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	6	8	5
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Fitanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	2
₋ead	ppm	ASTM D5185m	>20	2	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Гin	ppm		>20	<1	0	<1
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	0	0
Barium	ppm	ASTM D5185m	15	0	0	4
Nolybdenum	ppm	ASTM D5185m	15	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
<i>A</i> agnesium	ppm	ASTM D5185m	50	0	0	0
Calcium	ppm	ASTM D5185m	50	0	0	0
Phosphorus	ppm	ASTM D5185m	350	519	534	528
Zinc	ppm	ASTM D5185m	100	0	0	0
Sulfur	ppm	ASTM D5185m	12500	1500	1390	1891
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	5
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	<1
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<b>A</b> 3663	▲ 8240	2148
Particles >6µm		ASTM D7647	>320	627	<b>1</b> 019	255
Particles >14μm		ASTM D7647	>80	17	30	9
Particles >21µm		ASTM D7647	>20	3	7	3
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<b>19/16/11</b>	🔺 20/17/12	18/15/10
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.38	0.35	0.22
	J J		-			

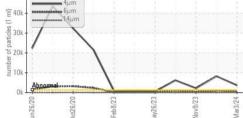
Report Id: KRASPRMO [WUSCAR] 06118251 (Generated: 03/15/2024 19:49:45) Rev: 1

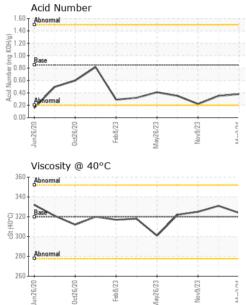
Contact/Location: Service Manager - KRASPRMO



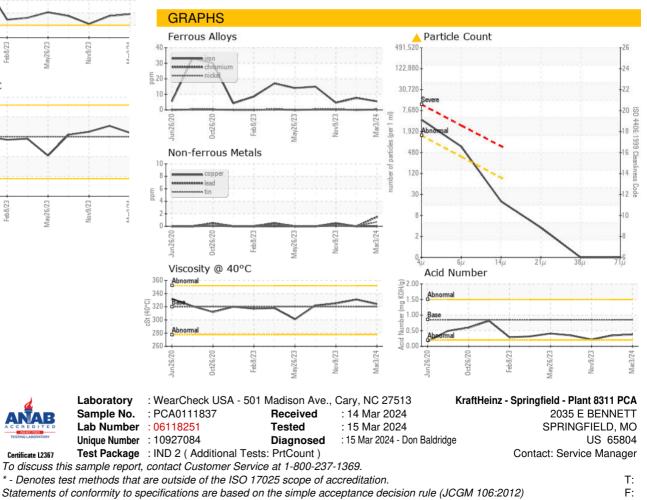
# **OIL ANALYSIS REPORT**







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	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	324	331	325
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color						•
Bottom						



Certificate L2367

Contact/Location: Service Manager - KRASPRMO