

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

ISO

## PASTA [98709269 AFTER] L21 DRYER BELT LOWER E Component

Gearbox Fluic

GEAR OIL FG ISO 320 (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. (after).

#### 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

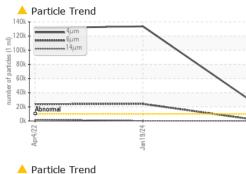
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

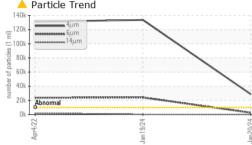
EAST						
		Ap	2022	Jan2024 Jan207	24	
SAMPLE INFOR	MATION		limit/base	current	history1	history2
Sample Number		Client Info		PCA0108431	PCA0108430	PCA0071803
Sample Date		Client Info		20 Jan 2024	19 Jan 2024	04 Apr 2022
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water	_	WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	2	22	5
Chromium	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m ASTM D5185m	. 05	0 3	0 3	0
Aluminum .ead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm ppm	ASTM D5185m		0	0	0
- in	ppm	ASTM D5185m	>25	0	0	0
/anadium	ppm	ASTM D5185m	220	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES						
	maa	ASTM D5185m	5	0	0	0
Boron	ppm ppm	ASTM D5185m ASTM D5185m	5 5	0 0		
Boron Barium				-	0	0
Boron Barium Aolybdenum	ppm	ASTM D5185m	5	0	0	0
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m	5	0	0 0 0	0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	5	0 0 0 0	0 0 0 0	0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5	0 0 0 <1	0 0 0 <1	0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 12	0 0 0 <1 <1	0 0 0 <1 <1	0 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 12 400	0 0 0 <1 <1 465	0 0 0 <1 <1	0 0 0 0 0 0 66
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 12 400 12	0 0 <1 <1 465 1	0 0 0 <1 <1 492 7	0 0 0 0 0 0 66 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 12 400 12 750 limit/base	0 0 (0 <1 <1 465 1 1354 current 2	0 0 0 <1 <1 492 7 1278	0 0 0 0 0 66 <1 29 history2 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 12 400 12 750 limit/base	0 0 (0 <1 <1 465 1 1354 (urrent 2 0	0 0 0 <1 <1 492 7 1278 history1 4 0	0 0 0 0 0 0 66 <1 29 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 12 400 12 750 limit/base >50	0 0 (0 <1 <1 465 1 1354 current 2	0 0 0 <1 <1 492 7 1278 history1 4	0 0 0 0 0 66 <1 29 history2 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	5 5 12 400 12 750 Iimit/base >50 	0 0 (0 <1 <1 465 1 1354 current 2 0 <1 current	0 0 0 <1 <1 492 7 1278 history1 4 0 <1 history1	0 0 0 0 0 66 <1 29 history2 2 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	5 5 12 400 12 750 limit/base >50 20 limit/base >20	0 0 0 <1 <1 465 1 1354 2 0 <1 2 0 <1 2 0 <1 2 8838	0 0 0 4 1 492 7 1278 history1 4 0 <1 history1	0 0 0 0 0 0 66 <1 29 history2 2 0 0 0 0 history2 ▲ 131293
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4μm Particles >6μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	5 5 5 12 400 12 750 limit/base >50 >20 limit/base >20 s200 >2000 >2500	0 0 0 <1 <1 465 1 1354 2 0 <1 2 0 <1 2 0 <1 2 2 0 2 8 8 8 8 28838 ▲ 2638	0 0 0 4 1 492 7 1278 history1 4 0 <1 4 0 <1 1 33648 ▲ 133648	0 0 0 0 0 0 6 6 6 6 1 2 9 <b>history2</b> 2 2 0 0 0 0 <b>history2</b> 2 1 3 1 3 12 93 1 3 12 93 1 3 12 93 1 3 12 93 12 93 12 12 12 12 12 12 12 12 12 12 12 12 12
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Potassium Particles >4μm Particles >6μm Particles >14μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	5 5 12 400 12 750 limit/base >50 s20 limit/base >20 limit/base >200 s2500 >2500 >2500	0 0 0 <1 <1 465 1 1354 <u>current</u> 2 0 <1 <u>current</u> 28838 ▲ 28838 132	0 0 0 4 1 492 7 1278 history1 4 0 <1 4 0 <1 1 33648 ▲ 133648 ▲ 24192 263	0 0 0 0 0 0 6 6 6 6 1 2 9 history2 2 0 0 0 0 0 history2 2 0 0 0 0 0 history2 2 1 3 1 3 12 93 1 3 12 93 1 3 12 93 1 3 12 93 12 12 12 12 12 12 12 12 12 12 12 12 12
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4μm Particles >6μm Particles >14μm Particles >21μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5647 ASTM D7647 ASTM D7647 ASTM D7647	5 5 12 400 12 750 limit/base >50 20 limit/base >20 \$10000 >2500 >2500 >640 >160	0 0 0 <1 <1 465 1 1354 <u>current</u> 2 0 <1 <u>current</u> 2 8 8 28838 ▲ 2638 132 33	0 0 0 4 1 492 7 1278 history1 4 0 <1 4 0 <1 133648 ≥4192 263 46	0 0 0 0 0 0 66 4 1 29 history2 2 0 0 0 0 history2 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	5 5 12 400 12 750 Imit/base >50 >20 Imit/base >20 >10000 >2500 >640 >160 >40	0 0 0 <1 <1 465 1 1354 current 2 0 <1 current 2 2 0 <1 28838 ▲ 28838 ▲ 2638 132 33 1	0 0 0 4 1 492 7 1278 history1 4 0 <1 4 0 <1 1 33648 ▲ 133648 ▲ 24192 263 46 1	0 0 0 0 0 66 4 1 29 history2 2 0 0 0 bistory2 4 131293 4 131293 2 3723 1991 4 571 9
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	5 5 12 400 12 750 Imit/base >50 >20 Imit/base >20 >10000 >2500 >640 >160 >40	0 0 0 <1 <1 465 1 1354 current 2 0 <1 current 2 0 <1 28838 ▲ 28838 ▲ 2638 132 33 1 0 0	0 0 0 4 1 492 7 1278 history1 4 0 <1 4 0 <1 133648 ≥4192 263 46	0 0 0 0 0 0 66 4 1 29 history2 2 0 0 0 0 history2 2 1 3 1 3 1 3 1 2 9 3 1 3 1 3 1 2 9 3 1 3 1 2 9 3 1 3 1 2 9 3 1 3 1 2 9 3 1 3 1 2 9 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >4µm Particles >4µm Particles >14µm Particles >38µm Particles >38µm Particles >71µm Dil Cleanliness	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D7647 ASTM D7647	5 5 12 400 12 750 <b>limit/base</b> >50 <b>limit/base</b> >20 <b>limit/base</b> >20 <b>limit/base</b> >20	0 0 0 <1 <1 465 1 1354 current 2 0 <1 current 2 0 <1 28838 ▲ 2638 132 33 1 0 ▲ 22/19/14	0 0 0 4 1 492 7 1278 history1 4 0 <1 4 0 <1 133648 ▲ 133648 ▲ 24192 263 46 1 0 0 <1 0 0 <1 0 0 <1 0 0 <1 0 0 0 0 0	0 0 0 0 0 0 6 6 6 4 2 9 history2 2 0 0 0 bistory2 2 0 0 0 0 history2 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >14µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D7647 ASTM D7647	5 5 12 400 12 750 Imit/base >50 S0 20 Imit/base >10000 >2500 >640 >160 >40 >10	0 0 0 <1 <1 465 1 1354 current 2 0 <1 current 2 0 <1 28838 ▲ 28838 ▲ 2638 132 33 1 0 0	0 0 0 1 1 1 492 7 1278 history1 4 0 <1 4 0 <1 1 33648 ▲ 24192 263 46 1 1 0 0	0 0 0 0 0 0 6 6 4 2 9 <b>history2</b> 2 0 0 0 <b>bistory2</b> ▲ 131293 ▲ 23723 ▲ 1991 ▲ 571 9 9 0

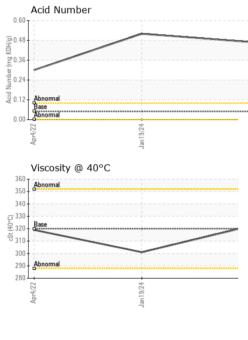
Contact/Location: Service Manager - KRASPRMO



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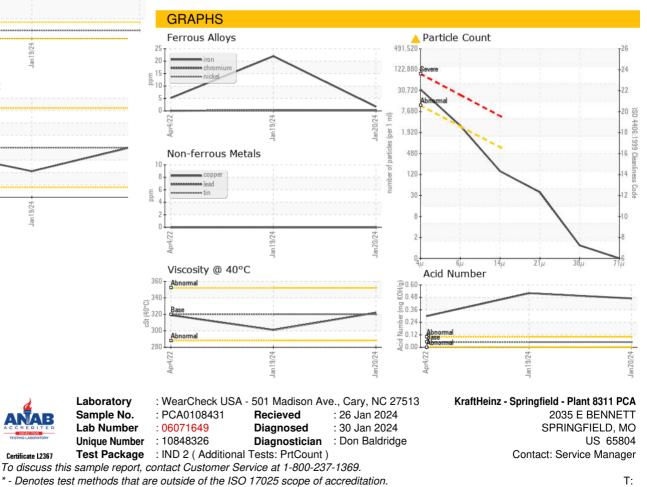






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	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	322	301	319
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color				•		
Dettere				(ces)		

Bottom



\* - 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)

Certificate L2367

Contact/Location: Service Manager - KRASPRMO

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