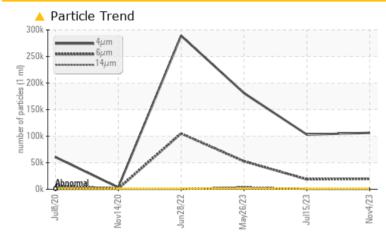


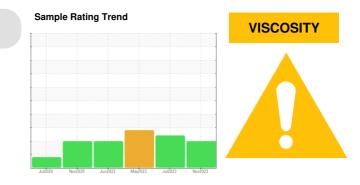
PROBLEM SUMMARY

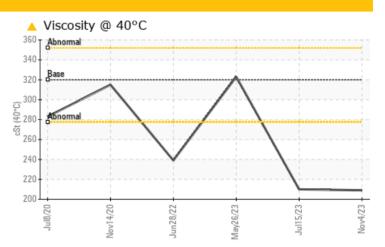
PASTA [98542818] Machine Id DPRESS EXTRUDER EAST Component

Gearbox Fluid GEAR OIL ISO 320 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

No corrective action is recommended at this time. The oil filtration at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Particles >4µm		ASTM D7647	>1300	<u> </u>	102926	1 81107	
Particles >6µm		ASTM D7647	>320	<u> </u>	18704	▲ 52705	
Particles >14µm		ASTM D7647	>80	<u> </u>	<u> </u>	4 071	
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u> </u>	🔺 24/21/15	🔺 25/23/19	
Visc @ 40°C	cSt	ASTM D445	320	<u> </u>	A 210	323	

Customer Id: KRASPRMO Sample No.: PCA0083733 Lab Number: 06005540 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

15 Jul 2023 Diag: Doug Bogart



No corrective action is recommended at this time. The oil filtration at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. Fuel content negligible. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



26 May 2023 Diag: Don Baldridge

28 Jun 2022 Diag: Doug Bogart

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. Fuel content negligible. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.







OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

D PRESS EXTRUDER EAST Component Gearbox Fluid

PASTA [98542818]

GEAR OIL ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The oil filtration 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 particulates present in the oil. Fuel content negligible.

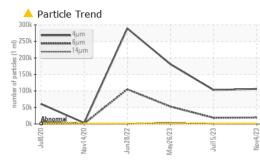
Fluid Condition

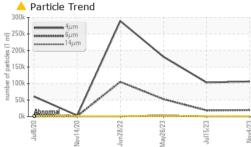
Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

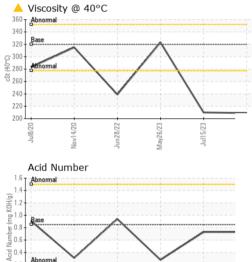
Sample Number Client Info PCA0083733 PCA0076164 PCA0099761 Sample Date I Client Info 04 Nov 2023 15 Ja 2023 26 May 2023 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Age Krs Client Info 0 0 0 Oil Changed I Filtered Filtered Filtered ABNORMAL ABNORMAL WEAR METALS method Imit/base current History1 history2 Iron ppm ASTM D518m >200 65 61 1 Chromium ppm ASTM D518m >15 0 0 0 Nickel ppm ASTM D518m >15 0 0 0 Aluminum ppm ASTM D518m >20 0 0 0 Aduminum ppm ASTM D518m >20 0 0 0 Aduminum ppm ASTM D518m >25 0 0 0 Aduminum ppm ASTM D518m >25 0 0 0 Aduminum ppm ASTM D518m >20	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
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Vanadium ppm ASTM D5185m 0 <1			ASTM D5185m	>25	0	0	
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Manganese ppm ASTM D5185m <1	Molybdenum		ASTM D5185m	15	0	0	0
Magnesium ppm ASTM D5185m 50 0 <1	•		ASTM D5185m		<1	<1	0
Phosphorus ppm ASTM D5185m 350 332 344 75 Zinc ppm ASTM D5185m 100 0 5 0 Sulfur ppm ASTM D5185m 12500 191 421 110 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 10 8 4 Sodium ppm ASTM D5185m >50 10 8 4 Sodium ppm ASTM D5185m >20 2 0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 106252 102926 181107 Particles >6µm ASTM D7647 >320 19450 18704 52705 Particles >14µm ASTM D7647 >20 11 24 1121 Particles >21µm ASTM D7647 >20 11 24 121 <th>Magnesium</th> <td></td> <td>ASTM D5185m</td> <td>50</td> <th>0</th> <td><1</td> <td>0</td>	Magnesium		ASTM D5185m	50	0	<1	0
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Sodium ppm ASTM D5185m <1	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 2 0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 106252 102926 181107 Particles >6µm ASTM D7647 >320 19450 18704 52705 Particles >14µm ASTM D7647 >80 112 209 4071 Particles >21µm ASTM D7647 >20 11 24 1121 Particles >38µm ASTM D7647 >4 1 1 65 Particles >71µm ASTM D7647 >3 0 1 5	Silicon	ppm	ASTM D5185m	>50	10	8	4
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Particles >4µm ASTM D7647 >1300 ▲ 106252 ▲ 102926 ▲ 181107 Particles >6µm ASTM D7647 >320 ▲ 19450 ▲ 18704 ▲ 52705 Particles >14µm ASTM D7647 >80 ▲ 112 ▲ 209 ▲ 4071 Particles >21µm ASTM D7647 >20 11 ▲ 24 ▲ 1121 Particles >38µm ASTM D7647 >4 1 1 ▲ 65 Particles >71µm ASTM D7647 >3 0 1 ▲ 5	Potassium	ppm	ASTM D5185m	>20	2	2	0
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Particles >21μm ASTM D7647 >20 11 4 4 1121 Particles >38μm ASTM D7647 >4 1 1 65 Particles >71μm ASTM D7647 >3 0 1 5	Particles >6µm		ASTM D7647	>320	<u> </u>	<u> </u>	▲ 52705
Particles >38μm ASTM D7647 >4 1 1 65 Particles >71μm ASTM D7647 >3 0 1 45							4 071
Particles >71μm ASTM D7647 >3 0 1 4 5				>20	11	<u> </u>	
Oil Cleanliness ISO 4406 (c) >17/15/13 🔺 24/21/14 🔺 24/21/15 🔺 25/23/19			ASTM D7647	>3	0	1	<u> </u>
	Oil Cleanliness		ISO 4406 (c)	>17/15/13	A 24/21/14	24/21/15	25/23/19
FLUID DEGRADATION method limit/base current history1 history2			100 1100 (0)				
Acid Number (AN) mg KOH/g ASTM D8045 0.85 0.73 0.73 0.28		ATION	()				



OIL ANALYSIS REPORT







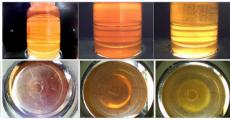
Abno 0.2

Vov14/20

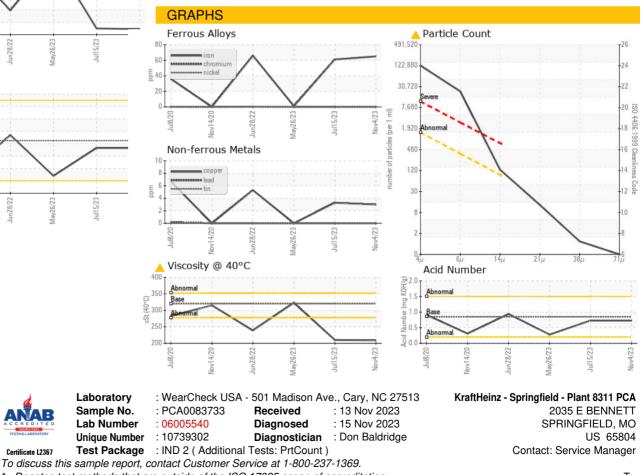
un28/22

0.0 Jul8/20

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	LIGHT
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>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	A 209	2 10	323
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



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)

Contact/Location: Service Manager - KRASPRMO