

RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	NORMAL	NORMAL		
Particles >6µm	ASTM D7647	>320	<u> </u>	139	62		
Oil Cleanliness	ISO 4406 (c)	>17/15/13	 17/16/13	16/14/12	14/13/10		

Customer Id: KRASPRMO Sample No.: PCA0067395 Lab Number: 06002229 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 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

21 Jun 2023 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view repor

18 May 2023 Diag: Don Baldridge

20 Apr 2023 Diag: Jonathan Hester



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Area **RECYCLE** [98527472] Machine Id **CARDBOARD BALER** Component

Hydraulic System Fluid AW HYDRAULIC OIL ISO 68 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

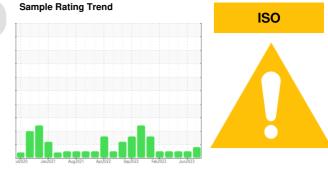
All component wear rates are normal.

Contamination

There is a moderate 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 acceptable for the time in service.



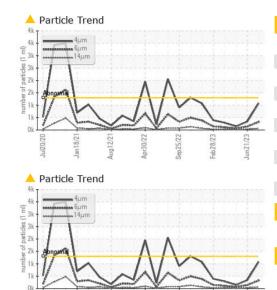
Sample Number Client Info IPCA0067395 PCA0100128 PCA0096898 Sample Date Client Info IP Oct 2023 21 Jun 2023 181 May 2023 Machine Age hrs Client Info 0 0 0 Oll Age hrs Client Info 0 0 0 Oll Age Lient Info Im Im NORMAL NORMAL Sample Status V Client Info Im NORMAL NORMAL NORMAL VEAR METALS norm ASTM 05185 S20 0 0 <1 Chromium ppm ASTM 05185 S20 0 0 0 Nickel ppm ASTM 05185 S20 0 0 0 Alumium ppm ASTM 05185 S20 0 0 0 Adamium ppm ASTM 05185 S20 0 0 0 Adamium ppm ASTM 05185 S20 0 0 0 Adamium ppm ASTM 05185 S20 0 0 0	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Date Image of the second	Sample Number		Client Info		PCA0067395	PCA0100126	PCA0096858
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Titanium ppm ASTM D5185m 0 <1	Nickel		ASTM D5185m	>20	0	0	0
Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >20 0 <1 <1 Lead ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0 Vanadium ppm ASTM D5185m >20 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 5 0 0 <1 Magnesium ppm ASTM D5185m 5 0 14 0 Magnesium ppm ASTM D5185m 25 0 13 0 <1 Magnesium ppm ASTM D5185m 200 40 40 43 Phosphorus ppm ASTM D5185m 370 344 339	Titanium		ASTM D5185m		0	<1	0
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Manganese ppm ASTM D5185m 0 0 <1	Barium	ppm	ASTM D5185m	5	0	14	0
Manganese ppm ASTM D5185m 0 0 <1	Molybdenum	ppm	ASTM D5185m	5	0	0	<1
Calcium ppm ASTM D5185m 200 40 40 43 Phosphorus ppm ASTM D5185m 300 351 342 353 Zinc ppm ASTM D5185m 370 344 339 350 Sulfur ppm ASTM D5185m 2500 853 962 1074 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 0 0 <1 Sodium ppm ASTM D5185m >15 0 0 <1 Potassium ppm ASTM D5185m >20 0 0 <1 Potassium ppm ASTM D7647 >1300 1083 343 143 Particles >4µm ASTM D7647 >320 325 139 62 Particles >6µm ASTM D7647 >80 62 29 10 Particles >14µm ASTM D7647 >20 28 12 2 Particles >38µm ASTM D7647 3 1 0		ppm	ASTM D5185m		0	0	<1
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Zinc ppm ASTM D5185m 370 344 339 350 Sulfur ppm ASTM D5185m 2500 853 962 1074 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 0 0 <1 Sodium ppm ASTM D5185m >15 0 0 <1 Potassium ppm ASTM D5185m >20 0 0 0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1300 1083 343 143 Particles >6µm ASTM D7647 >320 325 139 62 Particles >14µm ASTM D7647 >20 28 12 2 Particles >14µm ASTM D7647 >4 5 1 0 Particles >38µm ASTM D7647 >3 1 0 0 <t< th=""><th>Calcium</th><th>ppm</th><th>ASTM D5185m</th><th>200</th><th>40</th><th>40</th><th>43</th></t<>	Calcium	ppm	ASTM D5185m	200	40	40	43
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CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>1500<1SodiumppmASTM D5185m000<1PotassiumppmASTM D5185m>20000FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>13001083343143Particles >6µmASTM D7647>32032513962Particles >6µmASTM D7647>80622910Particles >14µmASTM D7647>2028122Particles >38µmASTM D7647>3100Particles >71µmASTM D7647>3100Oil CleanlinessISO 4406 (c)>17/15/1316/14/1214/13/10FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Zinc	ppm	ASTM D5185m	370	344	339	350
Silicon ppm ASTM D5185m >15 0 0 <1	Sulfur	ppm	ASTM D5185m	2500	853	962	1074
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Particles >21μm ASTM D7647 >20 28 12 2 Particles >38μm ASTM D7647 >4 5 1 0 Particles >71μm ASTM D7647 >3 1 0 0 Oil Cleanliness ISO 4406 (c) >17/15/13 17/16/13 16/14/12 14/13/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>320	<u> </u>	139	62
Particles >38μm ASTM D7647 >4 5 1 0 Particles >71μm ASTM D7647 >3 1 0 0 Oil Cleanliness ISO 4406 (c) >17/15/13 17/16/13 16/14/12 14/13/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>80	62	29	10
Particles >71μm ASTM D7647 >3 1 0 0 Oil Cleanliness ISO 4406 (c) >17/15/13 ▲ 17/16/13 16/14/12 14/13/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>20	28	12	2
Oil Cleanliness ISO 4406 (c) >17/15/13 ▲ 17/16/13 16/14/12 14/13/10 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>4	5	1	0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	1	0	0
	Oil Cleanliness		ISO 4406 (c)	>17/15/13	17/16/13	16/14/12	14/13/10
Acid Number (AN) mg KOH/g ASTM D8045 0.57 0.28 0.27 0.27	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.28	0.27	0.27



Jul20/20

1.00 T Abnormal

OIL ANALYSIS REPORT



Aug12/21

UR

Acid Number

en25/22

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	>0.05	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	68	45.5	45.5	45.4
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color						
Bottom						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Service Manager - KRASPRMO