

# 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	<b>  17/16/13</b>	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.

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#### 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

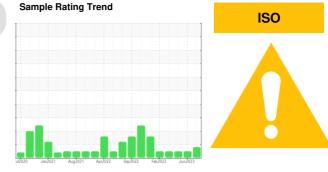
All component wear rates are normal.

# 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.



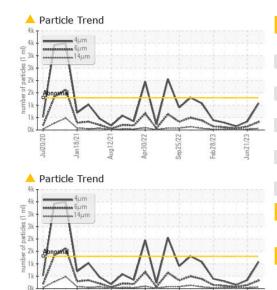
Sample Number       Client Info       IPCA0067395       PCA0100128       PCA0096898         Sample Date       Client Info       IP Oct 2023       21 Jun 2023       181 May 2023         Machine Age       hrs       Client Info       0       0       0         Oll Age       hrs       Client Info       0       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
Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         Filtered         Filtered         Filtered           Sample Status         Client Info         ATTENTION         NORMAL         NORMAL           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         <1           Chromium         ppm         ASTM D5185m         >20         0         0         <1           Tatanium         ppm         ASTM D5185m         >20         0         <1         <1           Lead         ppm         ASTM D5185m         >20         0         <1         <1           Lead         ppm         ASTM D5185m         >20         0         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0         1         0           ASTM D5185m         5         0         0         1	•		Client Info		19 Oct 2023	21 Jun 2023	18 May 2023
Oil Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         Filtered         Filtered         Filtered           Sample Status         nethod         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         0           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         -<1         -<1           Lead         ppm         ASTM D5185m         >20         0         -<1         -<1           Lead         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           Aradium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >0         0         -1           Manganes		hrs					,
Oil Changed         Client Info         Filtered         Filtered         Filtered         Filtered         Filtered         Filtered         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         <1           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Silver         ppm         ASTM D5185m         >20         0         0         0           Lead         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         14         0           Magnesium         ppm         AS	•	hrs	Client Info		-		
Sample Status         method         Imit/base         current         NORMAL         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         0         0           Auminum         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           Barium         ppm         ASTM D5185m         5         0         0         0         -1           Magnese         ppm         ASTM D5185m         5         0         <	-				Filtered	Filtered	Filtered
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Silver         ppm         ASTM D5185m         >20         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         5         0         0         0           Cadmium         ppm         ASTM D5185m         5         0         0         1           Manganesium         ppm         ASTM D5185m         25         0         13	•						
Iron         ppm         ASTM D5185m         >20         0         0         <1	-	S	method	limit/base	current	history1	history2
Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Titanium         ppm         ASTM D5185m         >20         0         <1         0           Silver         ppm         ASTM D5185m         >20         0         <1         1           Lead         ppm         ASTM D5185m         >20         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0         14           Molybdenum         ppm         ASTM D5185m         5         0         13         0         2353           Zinc         ppm         ASTM D5185m         25	Iron	ppm	ASTM D5185m	>20	0	0	<1
Nickel         ppm         ASTM D5185m         >20         0         0         0           Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         0         0           Copper         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         >20         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0         14           Magnese         ppm         ASTM D5185m         5         0         13         0           Calcium         ppm         ASTM D5185m         25         0         13         0	Chromium		ASTM D5185m	>20	0	0	0
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
Atuminum         ppm         ASTM D5185m         >20         0         <1	Silver		ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         3         3         3           Tin         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Malganese         ppm         ASTM D5185m         5         0         144         0           Magnesium         ppm         ASTM D5185m         25         0         13         0           Calcium         ppm         ASTM D5185m         200         40         40         43           Phosphorus         ppm         ASTM D5185m         250         853         962         1074           Solifur         ppm         ASTM D5185m         250         853         962<	Aluminum		ASTM D5185m	>20	0	<1	<1
Copper         ppm         ASTM D5185m         >20         3         3         3           Tin         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         0         <1           Molybdenum         ppm         ASTM D5185m         20         0         <1         0           Calcium         ppm         ASTM D5185m         200         40         43         0           Calcium         ppm         ASTM D5185m         200         40         43         39         350           Sulfur         ppm         ASTM D5185m         200         853         962         1074           CONTAMINANTS         method         limit/base         current         history1         history2 <th>Lead</th> <th></th> <th></th> <th></th> <th></th> <th>0</th> <th>0</th>	Lead					0	0
Tin       ppm       ASTM D5185m       >20       0       0       0         Vanadium       ppm       ASTM D5185m       0       0       0         Cadmium       ppm       ASTM D5185m       0       0       0         ADDITIVES       method       limit/base       current       history1       history2         Boron       ppm       ASTM D5185m       5       0       0       0         Barium       ppm       ASTM D5185m       5       0       0       0         Magnese       ppm       ASTM D5185m       5       0       0       <11				>20			3
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         14         0           Molybdenum         ppm         ASTM D5185m         5         0         0         <1           Manganese         ppm         ASTM D5185m         25         0         13         0           Calcium         ppm         ASTM D5185m         250         40         40         43           Phosphorus         ppm         ASTM D5185m         200         40         40         43           Sulfur         ppm         ASTM D5185m         370         344         339         350           Sulfur         ppm         ASTM D5185m         2500         853         962         1074           Sodium         ppm         ASTM D5185m         >15         0         0         <1 <th></th> <th></th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>0</th> <th></th> <th></th>			ASTM D5185m	>20	0		
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         14         0           Molybdenum         ppm         ASTM D5185m         5         0         0         <14	Vanadium					0	0
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         14         0           Molybdenum         ppm         ASTM D5185m         5         0         0         <1           Manganese         ppm         ASTM D5185m         25         0         13         0           Magnesium         ppm         ASTM D5185m         25         0         40         43           Phosphorus         ppm         ASTM D5185m         200         40         40         43           Phosphorus         ppm         ASTM D5185m         200         351         342         353           Zinc         ppm         ASTM D5185m         370         3444         339         350           Sulfur         ppm         ASTM D5185m         2500         853         962         1074           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15 <t< th=""><th>Cadmium</th><th></th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th></th></t<>	Cadmium		ASTM D5185m		0	0	
Barium         ppm         ASTM D5185m         5         0         14         0           Molybdenum         ppm         ASTM D5185m         5         0         0         <1           Manganese         ppm         ASTM D5185m         25         0         13         0           Magnesium         ppm         ASTM D5185m         25         0         13         0           Calcium         ppm         ASTM D5185m         200         40         40         43           Phosphorus         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         >20         0         0            Potassium         ppm         ASTM D7647         >1300	ADDITIVES		method	limit/base	current	history1	history2
Barium         ppm         ASTM D5185m         5         0         144         0           Molybdenum         ppm         ASTM D5185m         5         0         0         <1           Manganese         ppm         ASTM D5185m         25         0         13         0           Magnesium         ppm         ASTM D5185m         25         0         13         0           Calcium         ppm         ASTM D5185m         200         40         40         43           Phosphorus         ppm         ASTM D5185m         200         40         40         43           Slinco         ppm         ASTM D5185m         300         351         342         353           Sulfur         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         >20         0         0         <1           Potassium         ppm         ASTM D7647         >1300	Boron	ppm	ASTM D5185m	5	0	0	0
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
Phosphorus         ppm         ASTM D5185m         300         351         342         353           Zinc         ppm         ASTM D5185m         370         344         339         350           Sulfur         ppm         ASTM D5185m         370         344         339         350           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           Particles >4µm         ASTM D7647         >1300         1083         343         143           Particles >6µm         ASTM D7647         >320         325         139         62           Particles >4µm         ASTM D7647         >30         62         29         10           Particles >1µm         ASTM D7647         >20         28         12         2           Particles >38µm         ASTM D7647         >3         1         0         0 <tr< th=""><th>Magnesium</th><th>ppm</th><th>ASTM D5185m</th><th>25</th><th>0</th><th>13</th><th>0</th></tr<>	Magnesium	ppm	ASTM D5185m	25	0	13	0
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
SulfurppmASTM D5185m25008539621074CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>1500<1SodiumppmASTM D5185m000<1PotassiumppmASTM D5185m>20000FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>13001083343143Particles >6µmASTM D7647>32032513962Particles >14µmASTM D7647>2028122Particles >38µmASTM D7647>4510Particles >71µmASTM D7647>3100Oil CleanlinessISO 4406 (c)>17/15/1316/14/1214/13/10FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Phosphorus	ppm	ASTM D5185m	300	351	342	353
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
Sodium         ppm         ASTM D5185m         0         0             Potassium         ppm         ASTM D5185m         >20         0         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 >6µm         ASTM D7647         >80         62         29         10           Particles >14µm         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         16/14/12         14/13/10           FLUID DEGRADATION         method         limit/base         current         history1         history2	CONTAMINAN	TS	method	limit/base	current	history1	history2
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         >80         62         29         10           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	Silicon	ppm	ASTM D5185m	>15	0	0	<1
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       >80       62       29       10         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	Sodium	ppm	ASTM D5185m		0	0	<1
Particles >4μm       ASTM D7647       >1300       1083       343       143         Particles >6μm       ASTM D7647       >320       ▲ 325       139       62         Particles >14μm       ASTM D7647       >80       62       29       10         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	Potassium	ppm	ASTM D5185m	>20	0	0	0
Particles >6μm       ASTM D7647       >320       ▲ 325       139       62         Particles >14μm       ASTM D7647       >80       62       29       10         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       16/14/12       14/13/10         FLUID DEGRADATION       method       limit/base       current       history1       history2	FLUID CLEAN	<u>-INESS</u>	method	limit/base	current	history1	history2
Particles >14μm       ASTM D7647       >80       62       29       10         Particles >21μm       ASTM D7647       >20       28       12       2         Particles >38μm       ASTM D7647       >4       5       1       0         Particles >38μm       ASTM D7647       >3       1       0       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 >4µm		ASTM D7647	>1300	1083	343	143
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	<b>17/16/13</b>	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