

# **OIL ANALYSIS REPORT**

# Area **Kerr** KER02 Generator Thrust / Guide Bearings (S/N IS32P756) Component **Case Drain Thrust Bearing**

**R&O OIL ISO 68 (770 GAL)** 

## Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

## Fluid Condition

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

# NORMAL



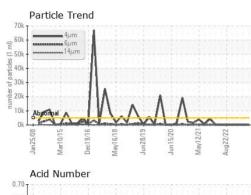
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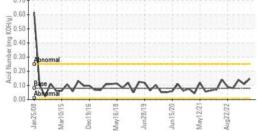
Sample Rating Trend

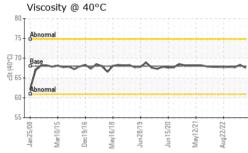
Sample NumberClient InfoWC0483407WC0483315WC0483306Sample DateClient Info22 Aug 202310 May 202306 Feb 2023Machine AgemthsClient Info000Oil AgemthsClient InfoN/AN/AN/ASample Status-Client InfoN/AN/AN/ASample Status-methodImitXosNORMALNORMALWEAR METALSmethodImitXosClient InfoN/AN/AKennumppmASTM 05165>20000NickelppmASTM 05165>20-100NickelppmASTM 05165>20-100SilverppmASTM 05165>7-100AuminumppmASTM 05165>7-100AuminumppmASTM 05165>7-100CopperppmASTM 051655000CadmiumppmASTM 051655100ADDITVESmethodImitXoas000ManganeseppmASTM 051655000ManganesiumppmASTM 051655000ManganesiumppmASTM 051655000ManganesiumppmASTM 051655000SuffurpmASTM 0516550 <t< th=""><th>SAMPLE INFORM</th><th>ΛΑΤΙΟΝ</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Machine Age         mths         Client Info         0         0         0         0           Oil Age         mths         Client Info         N/A         N/A         N/A           Sample Status         Imit/base         current         history1         history1           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM 05185m         >20         0         0         0           Nickel         ppm         ASTM 05185m         >20         <1         0         0           Silver         ppm         ASTM 05185m         >20         <1         0         0           Copper         ppm         ASTM 05185m         >40         0         <1         0           Copper         ppm         ASTM 05185m         >40         0         0         0           Cadmium         ppm         ASTM 05185m         >7         <1         0         0           Cadmium         ppm         ASTM 05185m         5         0         0         0           Cadmium         ppm         ASTM 05185m         5         0         0         0	Sample Number		Client Info		WC0483407	WC0483315	WC0483306
Oil Age         mths         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         method         imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >85         2         2         2           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         <1         0         0           Aluminum         ppm         ASTM D5185m         >40         0         <1         0           Lead         ppm         ASTM D5185m         >40         0         <1         0           Cadmium         ppm         ASTM D5185m         >40         0         0         0           Vanadium         ppm         ASTM D5185m         >40         0         0         0           Cadmium         ppm         ASTM D5185m         5         0         0         0           Roren         ppm         ASTM D5185m         5         1         0         0	Sample Date		Client Info		22 Aug 2023	10 May 2023	06 Feb 2023
Oil Changed Sample Status         Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM 05185m         >20         0         0         0           Nickel         ppm         ASTM 05185m         >20         0         0         0           Nickel         ppm         ASTM 05185m         >20         0         0         0           Nickel         ppm         ASTM 05185m         >20         0         0         0           Silver         ppm         ASTM 05185m         >40         0         <1         0         0           Lead         ppm         ASTM 05185m         >60         <1         0         0         0           Cadmium         ppm         ASTM 05185m         >40         <1         0         0         0           Cadmium         ppm         ASTM 05185m         >0         0         0         0           Cadmium         ppm         ASTM 05185m         5         0         0         0           Cadmium         ppm         ASTM 05185m	Machine Age	mths	Client Info		0	0	0
Sample Status         Include         NORMAL         NORMAL         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         <1         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >40         0         <1         0           Copper         ppm         ASTM D5185m         >60         <1         0         0           Copper         ppm         ASTM D5185m         >60         <1         0         0           Cadmium         ppm         ASTM D5185m         >60         0         0         0           Cadmium         ppm         ASTM D5185m         5         0         0         0           ADITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0 <tr< th=""><th>Oil Age</th><th>mths</th><th>Client Info</th><th></th><th>0</th><th>0</th><th>0</th></tr<>	Oil Age	mths	Client Info		0	0	0
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         <1         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         >40         0         <1         0           Lead         ppm         ASTM D5185m         >60         <1         0         0           Vanadium         ppm         ASTM D5185m         >60         <1         0         0           Vanadium         ppm         ASTM D5185m         >60         0         0         0           Vanadium         ppm         ASTM D5185m         >0         0         0         0           Adminum         ppm         ASTM D5185m         5         0         0         0           Vanadium         ppm         ASTM D5185m         5         0         0         0           Adminum         ppm         ASTM D5185m         5         0         0         0	Oil Changed		Client Info		N/A	N/A	N/A
Iron         ppm         ASTM D5185m         >85         2         2         2           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         20         <1         0         0           Titanium         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >40         0         <1         0         0           Lead         ppm         ASTM D5185m         >60         <1         0         0         0           Vanadium         ppm         ASTM D5185m         >60         <1         0         0         0           Vanadium         ppm         ASTM D5185m         >40         <1         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0         0           ASTM D5185m         5         0         0         0         0         0         0         0         0           Astm D5185m         5         0         0         0         0         0         0	Sample Status				NORMAL	NORMAL	NORMAL
Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         <1         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Lead         ppm         ASTM D5185m         >60         <1         0         0           Copper         ppm         ASTM D5185m         >7         <1         0         0           Cadmium         ppm         ASTM D5185m         >40         <1         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         5         0         0         0           Boron         ppm         ASTM D5185m         5         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         >20         <1	Iron	ppm	ASTM D5185m	>85	2	2	2
Titanium         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         40         0         <1         0           Aluminum         ppm         ASTM D5185m         >40         0         <1         0           Lead         ppm         ASTM D5185m         >60         <1         0         0           Copper         ppm         ASTM D5185m         >7         <1         0         0           Vanadium         ppm         ASTM D5185m         >7         <1         0         0           Cadmium         ppm         ASTM D5185m         >7         <1         0         0           Cadmium         ppm         ASTM D5185m         5         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Marganese         ppm         ASTM D5185m         5         0         0         0           Marganesium         ppm         ASTM D5185m         5         0         0 <td< th=""><th>Chromium</th><th>ppm</th><th>ASTM D5185m</th><th>&gt;20</th><th>0</th><th>0</th><th>0</th></td<>	Chromium	ppm	ASTM D5185m	>20	0	0	0
Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >40         0         <1         0           Lead         ppm         ASTM D5185m         >60         <1         0         0           Copper         ppm         ASTM D5185m         >7         <1         0         0           Tin         ppm         ASTM D5185m         >40         <1         0         0           Vanadium         ppm         ASTM D5185m         >0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         5         0         0         0           Molybdenum         ppm         ASTM D5185m         5         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0           Calcium         ppm         ASTM D5185m         5         0         0         0           Sulfur         ppm         ASTM D5185m         1         0         0         0	Nickel	ppm	ASTM D5185m	>20	<1	0	0
Aluminum         ppm         ASTM D5185m         >40         0         <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >60         <1	Silver	ppm	ASTM D5185m		0	0	0
Copper         ppm         ASTM D5185m         >7         <1	Aluminum	ppm	ASTM D5185m	>40	0	<1	0
Tin         ppm         ASTM D5185m         >40         <1	Lead	ppm	ASTM D5185m	>60	<1	0	0
Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         1         0         0           Molybdenum         ppm         ASTM D5185m         5         <1	Copper	ppm	ASTM D5185m	>7	<1	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         1         0         0           Molybdenum         ppm         ASTM D5185m         5         <1         0         0           Manganese         ppm         ASTM D5185m         5         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         0           Potassium         ppm         ASTM D5185m         >20         <1         0	Tin	ppm	ASTM D5185m	>40	<1	0	0
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         1         0         0           Molybdenum         ppm         ASTM D5185m         5         <1         0         0           Manganese         ppm         ASTM D5185m         5         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0           Calcium         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         100         18         17         14           Zinc         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         <1 <td< th=""><th>Vanadium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></td<>	Vanadium	ppm	ASTM D5185m		0	0	0
Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         1         0         0           Molybdenum         ppm         ASTM D5185m         5         <1         0         0           Manganese         ppm         ASTM D5185m         5         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0           Calcium         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         100         18         17         14           Zinc         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         <1         0         <1           Potassium         ppm         ASTM D7647         >5000         271	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         5         1         0         0           Molybdenum         ppm         ASTM D5185m         5         <1         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0           Calcium         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         5         0         2         <1           Zinc         ppm         ASTM D5185m         100         18         17         14           Zinc         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         >20         <1         <1         0           Sodium         ppm         ASTM D5185m         >20         <1         0         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         5         <1	Boron	ppm	ASTM D5185m	5	0	0	0
Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         5         0         0         0           Calcium         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         100         18         17         14           Zinc         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         <1         0         <1           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           Particles >4µm         ASTM D5185m         >20         <1         0         <1         1           Particles >6µm         ASTM D7647         >5000         271         140	Barium	ppm	ASTM D5185m	5	1	0	0
Magnesium         ppm         ASTM D5185m         5         0         0         0           Calcium         ppm         ASTM D5185m         5         0         2         <1           Phosphorus         ppm         ASTM D5185m         100         18         17         14           Zinc         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         0           Sodium         ppm         ASTM D5185m         >20         <1         0         <1           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           Particles >4µm         ASTM D7647         >5000         271         140         51           Particles >6µm         ASTM D7647         >66         5         0           Particles >14µm         ASTM D7647         >20         2         1         0	Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Calcum         ppm         ASTM D5185m         5         0         2         <1	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus         ppm         ASTM D5185m         100         18         17         14           Zinc         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1	Magnesium	ppm	ASTM D5185m	5	0	0	0
Zinc         ppm         ASTM D5185m         25         1         0         0           Sulfur         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         <1         <1         0           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         271         140         51           Particles >6µm         ASTM D7647         >60         85         41         19           Particles >14µm         ASTM D7647         >80         6         5         0           Particles >21µm         ASTM D7647         >20         2         1         0           Particles >38µm         ASTM D7647         >3         0         0         0	Calcium	ppm	ASTM D5185m	5	0	2	<1
Sulfur         ppm         ASTM D5185m         1500         879         584         823           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         <1         <1         0           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         271         140         51           Particles >6µm         ASTM D7647         >640         85         41         19           Particles >6µm         ASTM D7647         >80         6         5         0           Particles >1µm         ASTM D7647         >20         2         1         0         0           Particles >38µm         ASTM D7647         >20         2         1         0         0           Particles >71µm         ASTM D7647         3         0         0         0	Phosphorus	ppm	ASTM D5185m	100	18	17	14
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         <1         <1         0           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         271         140         51           Particles >6µm         ASTM D7647         >640         85         41         19           Particles >14µm         ASTM D7647         >80         6         5         0           Particles >21µm         ASTM D7647         >20         2         1         0           Particles >38µm         ASTM D7647         >20         2         1         0           Particles >71µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness	Zinc	ppm	ASTM D5185m	25	1	0	0
Silicon         ppm         ASTM D5185m         >20         <1	Sulfur	ppm	ASTM D5185m	1500	879	584	823
Sodium         ppm         ASTM D5185m         0         <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         <1	Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4μm         ASTM D7647         >5000         271         140         51           Particles >6μm         ASTM D7647         >640         85         41         19           Particles >14μm         ASTM D7647         >80         6         5         0           Particles >14μm         ASTM D7647         >20         2         1         0           Particles >21μm         ASTM D7647         >20         2         1         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Sodium	ppm	ASTM D5185m		0	<1	0
Particles >4μm         ASTM D7647         >5000         271         140         51           Particles >6μm         ASTM D7647         >640         85         41         19           Particles >14μm         ASTM D7647         >80         6         5         0           Particles >14μm         ASTM D7647         >20         2         1         0           Particles >21μm         ASTM D7647         >20         2         1         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Particles >6μm         ASTM D7647         >640         85         41         19           Particles >14μm         ASTM D7647         >80         6         5         0           Particles >14μm         ASTM D7647         >20         2         1         0           Particles >21μm         ASTM D7647         >20         2         1         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm         ASTM D7647         >80         6         5         0           Particles >21μm         ASTM D7647         >20         2         1         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >4µm		ASTM D7647	>5000	271	140	51
Particles >21μm         ASTM D7647         >20         2         1         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >38μm         ASTM D7647         >4         1         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >6µm		ASTM D7647	>640	85	41	19
Particles >38μm         ASTM D7647         >4         1         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >14µm		ASTM D7647	>80	6	5	0
Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >21µm		ASTM D7647	>20	2	1	0
Oil Cleanliness         ISO 4406 (c)         >19/16/13         15/14/10         14/13/10         13/11/7           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >38µm		ASTM D7647	>4	1	0	0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/16/13	15/14/10	14/13/10	13/11/7
Acid Number (AN)         mg KOH/g         ASTM D8045         0.08         0.147         0.109         0.139	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.147	0.109	0.139

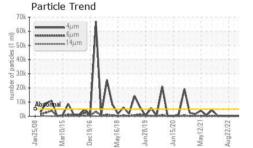


# **OIL ANALYSIS REPORT**









	VISUAL		method	limit/base	current	history1	history2
	White Metal Yellow Metal	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE	NONE NONE	NONE NONE
	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
٨	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
la	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
May12/21 Aug22/22	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
May Aug2	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	68	67.6	68.31	67.7
	SAMPLE IMAGES	5	method	limit/base	current	history1	history2
May12/21	Color					And	KERISZ Genrary ENE-POL postmak KERISZ Genrary Sample Dia An
	Bottom						
	PrtFilter				no image	no image	no image
May12/21 Aug22/22	GRAPHS Ferrous Alloys				Particle Count		
	150 iron			491,520			T <sup>26</sup>
10002300023	100 - management chromium			122,880	Severe		-24
100000000000000000000000000000000000000	50-			30,720			-22
		5	2 2	╤ 7,680	Abnormal		-20 8
	Jan25/08 Mar10/15 Dec19/16	Jun28/19	Jun 15/20 May12/21	고 1,920			4406:
	_		n M. Au	cles (I		<b>`</b>	1999
<b>A</b>	Non-ferrous Metal	S	100000000000000000000000000000000000000	اللہ / 680 اللہ 1.920 ھور ہو 1.920 ھور لو 1.920 ھور لو 120			-20 4406:1999 Cleanfiness -16 :
<u>Los</u>	copper			ม <sub>ั</sub> น มาย คุณ			
May12/2 Aug22/22	E 5- minimum tin			Ē 30			-12 Code
Mi	Minut	Δ.		8	1		-10
		- 61/8	5/20 - 2/21	2	-		-8
	Jan 25/08 Mar 1 0/15 Dec 1 9/16	Jun28/19	Jun 15/20 May 12/21	0			
	Viscosity @ 40°C				Acid Number	14μ 21μ	36µ 71µ
	80 Abnormal			0.80 0.60 0.40 0.40 0.20 Viumper 0.00			
	유명 70 - Base 영 60 - Abnormal			Ē 0.60	1		
	향 60 - <b>Abnormal</b>			는 0.40 트 0.20	Abnormal		
	50		i		- Alise main		and the second advantation
	Jan 25/08 Mar 1 0/15 Dec 1 9/16	Jun28/19	Jun15/20 May12/21	4	Jan 25/08 Mar 1 0/15 Dec 1 9/16	May16/18 Jun28/19 Jun15/20	May12/21 Aug22/22
Laboratory Sample No. Lab Number Unique Number Test Package	: 05935584	Receiveo Diagnos Diagnos	d : 25 / ed : 01 \$ tician : Dou	Aug 2023 Sep 2023 Ig Bogart	3		KEEPERS INC ST, SUITE 304 POLSON, MT US 59860

To discuss this sample report, \* - 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

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