Sample Rating Trend



PROBLEM SUMMARY



Machine Id 2206307 Component Compressor Fluid

{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	
Water	%	ASTM D6304	>0.1	A 0.866	
ppm Water	ppm	ASTM D6304	>1000	🔺 8659	
Acid Number (AN)	mg KOH/g	ASTM D8045		A 3.63	
Silt	scalar	*Visual	NONE	🔺 MODER	

Customer Id: DAKSIOSD Sample No.: DFP0000020 Lab Number: 06182798 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED AC	TIONS			
Action	Status	Date	Done By	Description
Change Fluid			?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Change Filter			?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Resample			?	We recommend an early resample to monitor this condition.
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



Machine Id 2206307 Component Compressor Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition

The AN level is at the top-end of the recommended limit.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DFP0000020		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		3592		
Oil Age	hrs	Client Info		1605		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	maa	ASTM D5185m		<1		
	1-1-					
ADDITIVES	1- 1-	method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 0	history1	history2
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 0 0	history1 	history2
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0	history1 	history2
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 <1	history1 	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 0 0	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185m	limit/base	current 0 0 0 0 0 <1 0 0 274	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 274 0	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 21 0 274 0 295	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 2 0 274 0 295 current	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 0 0 0 0 21 0 274 0 295 current 3	history1 history1	history2 history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base limit/base >25	current 0 0 0 2 0 274 0 295 current 3 <1	history1 history1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	method ASTM D5185m	limit/base	current 0 0 0 0 <1 0 274 0 295 current 3 <1 0	history1 history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm	method ASTM D5185m	limit/base	current 0 0 0 <1 0 274 0 295 current 3 <1 0 295 current 3 <1 0 >0.8666	history1	history2 history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm	method ASTM D5185m ASTM D6304 ASTM D6304	limit/base	current 0 0 0 0 274 0 274 0 295 current 3 <1 0 295 current 3 <1 0 & 0.866 8659	history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm	method ASTM D5185m ASTM D5185m	limit/base 	current 0 0 0 <1 0 274 0 295 current 3 <1 0 295 current 3 <1 0 <3.866 8659	history1	history2



Nater (ppm)

(maa) Water

OIL ANALYSIS REPORT

12000	Water (KF)	VISUAL	
10000	Severe	White Metal	:
8000-		Yellow Metal	:
6000-		Precipitate	:
4000.		Silt	5
2000.	Abnormal	Debris	5
0-		Sand/Dirt	5
	13/24	Appearance	5
	May	Odor M	5
	Water (KF)	Emulsified Wat	er :
12000-		Free Water	2
10000.	Severe	FLUID PROF	PERTIE
8000-		Visc @ 40°C	(
4000.		SAMPLE IM	AGES
2000•	Abnormal		10.20
0.	24		
	May13	May 13	
	Viscosity @ 40°C		
80-		Bottom	
70-			
(40°C)	N 1	GRAPHS	
cSt (40°C) 20 cSt (40°C)	Abnormal	GRAPHS Ferrous Alloy	s
(J=06) tso 40	Abnormal	GRAPHS Ferrous Alloy	s
()-00- ()-04) 50- 40- 30-	Abnormal Abnormal	GRAPHS Ferrous Alloy	S
(),00 (),0 1) 50 40 30	Abnormal Abnormal	GRAPHS Ferrous Alloy	s
(0.04) 30- 30-	Abnormal Abnormal	GRAPHS Ferrous Alloy	s
(フ。0₽) 30・ 30・	Abnormal Abnormal Hore Hore Hore Hore Hore Hore Hore Hore	GRAPHS Ferrous Alloy	s
(J. 60 - 40 - 30 -	Abnormal Abnormal	GRAPHS Ferrous Alloy	s
(),00 ,0 1) 50 40 30	Abnormal 	Ferrous Alloy	s
(3.0+) 40 30-	Abnormal Abnormal Hoze / Man	GRAPHS Ferrous Alloy	s Metals
(2,60・ (2,0+) ぞう50・ 40・ 30・	Abnomal Abnomal	Comparison of the second secon	s
(고 60 · 중 50 · 40 · 30 ·	Abnormal Abnormal	Comparison of the second secon	s Metals
(コーク) 初 50- 40- 30・	Abnormal Abnormal	Correction of the second secon	s Metals
(1,0) 30- 30-	Abnormal Abnormal 60 67 67 67 67 67 67 67 67 67 67 67 67 67	Current of the second s	s Metals
(2,0) (2,0) (3,0) (3,0) (3,0) (3,0)	Abnormal - Abnormal - Polici //eww	CGPAPHS Ferrous Alloy	s Metals

	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE			
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
lay13/2	Appearance	scalar	*Visual	NORML	NORML		
2	Emulsified Water	scalar	*Visual				
	Erree Water	scalar	*Visual	>0.1	NFG		
			violati	limit//e.e.e.e		late to an eff	la i a ta mu O
				iimii/base		nistory i	nistory2
		CSI .	A31101 D443		70.5		
	SAMPLE IMAGES	5	method	limit/base	current	history1	history2
May13/24 +	Color					no image	no image
	Bottom					no image	no image
AC C F	Non-ferrous Metals	5		324 📕 May1324 🗧			
	Viscosity @ 40°C			H(g)	Acid Number		
	(J.04) 30 40 40 40 40 40 40 40 40 40 4			May13/24	2.0 1.0 472/51/hew		

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

Contact/Location: Service Manager - DAKSIOSD