

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NVH 4 FOAM PRESS

Component Hydraulic System SHELL TELLUS 46 (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. 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

Moderate concentration of visible dirt/debris present in the oil.

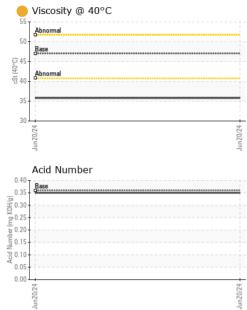
Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001874		
Sample Date		Client Info		20 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	10		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	11	10		
Calcium	ppm	ASTM D5185m	35	32		
Phosphorus	ppm	ASTM D5185m	266	306		
Zinc	ppm	ASTM D5185m	276	347		
Sulfur	ppm	ASTM D5185m	1847	1207		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.36	0.35		



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White Metal Yellow Metal Precipitate Silt Debris	scalar scalar scalar	*Visual *Visual	NONE NONE	NONE			
Precipitate Silt			NONE	NONE			
Silt	scalar		HOHL	NONE			
		*Visual	NONE	NONE			
Debris	scalar	*Visual	NONE	NONE			
	scalar	*Visual	NONE				
Sand/Dirt	scalar	*Visual	NONE	NONE			
Appearance	scalar	*Visual	NORML	NORML			
Odor	scalar	*Visual	NORML	NORML			
Emulsified Water	scalar	*Visual	>0.05	NEG			
Free Water	scalar	*Visual		NEG			
FLUID PROPER	TIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46.99	<mark>)</mark> 35.8			
SAMPLE IMAGE	S	method	limit/base	current	history1	history2	
Color					∞ no image	no image	
Bottom					no image	no image	
GRAPHS							
¹⁰							
o - chromium							
2							
0			_				
120/24			120/24				
			Jur				
	ls						
copper			-				
e 6+							
4 4							
2							
0							
n20/2			n20/2				
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55					er		
50			(B/HC	Base			
Base			лини 1940. Дини 1940.	30 -			
중 40 - Abnormal			-) er er	20			
35-				10			
30							
20/2			20/2	2/07		1000-111 1000-111	
Jur			Jur	Jur		-	
: TLC0001874 : 06218191 : 11096388 : PLANT	Recei Teste Diagr	Received: 24 Jun 2024Tested: 27 Jun 2024Diagnosed: 27 Jun 2024 - Jonathan Hester			AUTONEUN 1103 POWDERHOUSE RE AIKEN, SC US 29803 Contact: JEFFREY WASHICH jeffrey.washick@autoneum.com		
,	Visc @ 40°C SAMPLE IMAGE Color Bottom GRAPHS Ferrous Alloys Viscosity @ 40°C	FLUID PROPERTIES Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Non-ferrous Metals Non-ferrous Metals Viscosity @ 40°C Viscosity @ 40°C Anomal Beat Color Non-ferrous Metals Viscosity @ 40°C Viscosity @ 40°C	FLUID PROPERTIES method Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Color Bottom GRAPHS Ferrous Alloys	FLUID PROPERTIES method limit/base Visc @ 40°C cSt ASTM D445 46.99 SAMPLE IMAGES method limit/base Color Bottom Imit/base GRAPHS Ferrous Alloys Imit/base Visc @ 100 Graphic Imit/base Von-ferrous Metals Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base It Locool 1874 Received :: 24 Jun 2024 Viscosity : 24 Jun 2024 Imit/base Imit/base It Locool 1874 Received :: 24 Jun 2024 Imit/base It Lost Diagnosed :: 27 Jun 2024 Jun 2024 It 1096388 Diagnosed :: 27 Jun 2024 Jun 2024 It 1050 17025 scope of accreditation. Imit/base	FLUID PROPERTIES method limit/base current Visc @ 40°C GS1 ASTM D445 46.99 35.8 SAMPLE IMAGES method imit/base current Color Imit/base current Bottom Imit/base current Non-ferrous Alloys Imit/base Imit/base current Viscosity @ 40°C Imit/base Imit/base Acid Number Imit/base Imit/base Imit/base Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base Imit/base Imit/base Imit/base Imit/base Imit/base Imit/base Imit/base	FLUID PROPERTIES method limit/base current history1 Visc @ 40°C cSt ASTM D445 46.99 35.8 SAMPLE IMAGES method limit/base current history1 Color Imit/base current history1 Color Imit/base current history1 Bottom Imit/base current history1 Non-ferrous Metals Imit/base no image Imit/page Imit/base Imit/base current Viscosity @ 40°C Imit/base Imit/base Imit/base Imit/page Imit/base Imit/base Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base Imit/base Imit/base Imit/page <	

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Contact/Location: JEFFREY WASHICK - AUTAIK