

OIL ANALYSIS REPORT

Sample Rating Trend



Area SHADE Machine Id 1322 Component Compressor Fluid

{not provided} (--- GAL)

DIAGNOSIS

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 component.

Fluid Condition

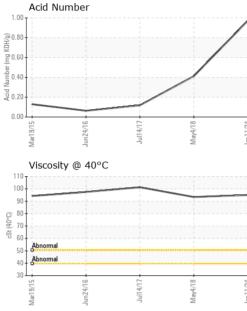
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06059399	WC04469903	WCM2295239
Sample Date		Client Info		11 Jan 2024	04 May 2018	14 Jul 2017
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		2	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Antimony	ppm	ASTM D5185m			2	1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	0	2
Phosphorus	ppm	ASTM D5185m		2	0	3
Zinc	ppm	ASTM D5185m		0	5	1
Sulfur	ppm	ASTM D5185m		3032	885	908
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	23	4 6	3
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.97	0.412	0.118



OIL ANALYSIS REPORT

VISUAL



Unique Numbe Test Packag	:V • : <mark>0</mark> er :1 je :IN	VC06059399 1 <mark>6059399</mark> 0830781 ND 2	Recieved Diagnose Diagnost	d : 12 ed : 15 tician : Dor	Jan 2024 Jan 2024 n Baldridge	B JRE - JOHNSTOWN REGIONAL ENERGY 251 VALLEY VIEW DR DAVIDSVILLE, PA US 15928 Contact: SCOTT FOSTER sfoster@purenergyllc.com T: (814)521-7541 JCGM 106:2012) F: (814)479-4055			
	20	Mar19/15 Jun24/16	Jul14/17	May4/18 +	Jan 11/24 +	Mar19/15	Jult 4/17	May4/18	
	120 - 100 - (0,04) - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 30	Abnormal Abnormal			(B)1.0 B)1.0 B)0.8 B)0.6 are 0.4 C)1.0 C)1			/	
			Jul14/17	May4/18	Jan 1 1/24	Acid Number			
	8 - 6 - 4 - 2 -	tin							
		Non-ferrous Meta		May4,	Jan 11,				
	2			18	24				
	10 - 8 -	Ferrous Alloys							
						no image		no image	
May4/18		olor				no image		no image	
		SAMPLE IMAGE	ES	method	limit/base	current	history1	history2	
	V	isc @ 40°C	cSt	ASTM D445		95.0	93.39	101.3	
					limit/base			history2	
					>0.1			NEG NEG	
May	0	dor	scalar	*Visual	NORML	NORML	NORML	NORML	
4/18			scalar	*Visual	NORML	NORML	NORML	NONE NORML	
			scalar	*Visual	NONE	NONE	LIGHT	NONE	
			scalar	*Visual	NONE	NONE	NONE	NONE	
/			scalar	*Visual				NONE NONE	
	Laboratory Sample No. Lab Number Unique Numbr	Laboratory Sample No. Lab Number Unique Number Test Package	Emulsified Water Free Water Free Water Fluid PROPER Visc @ 40°C SAMPLE IMAGE Color Bottom GRAPHS Ferrous Alloys Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Sample No. Lab Number Unique Number Test Package Laboratory Sample No. Lab Number Test Package	Precipitate scalar Sit scalar Debris scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar Color Color Bottom GRAPHS Ferrous Alloys Usc @ 40°C cSt SAMPLE IMAGES Color Non-ferrous Metals Usc @ 40°C Color Uscosity @ 40°C Uscosity @ 40°C	Precipitate scalar *Visual Sitt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Appearance scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Full D PROPERTIES method Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Bottom Non-ferrous Alloys Viscosity @ 40°C Uscosity @ 40°C Viscosity @ 40°C Sample No. Lab Number Unique Number Unique Number Unique Number Unique Number Unique Number Unique Number Unique Number Unique Number UND 2 Sample No. Lab Number Unique Number IND 2	Precipitate scalar *Visual NONE Sitt scalar *Visual NONE Sand/bitt scalar *Visual NONE Appearance scalar *Visual NORML Emulsified Water scalar *Visual NORML Color Bottom Non-ferrous Alloys Uscosity @ 40°C Color Work of the scalar *Visual NORML Emulsified Water scalar *Visual NORML SAMPLE IMAGES method imit/base Viscosity @ 40°C Uscosity B Uscosity B Uscosity B Uscosity B	Precipitate scalar 'Visual NONE NONE Sit scalar 'Visual NONE NONE Sand/Dit scalar 'Visual NONE NONE Sand/Dit scalar 'Visual NONE NONE Sand/Dit scalar 'Visual NORML NORML Appearance scalar 'Visual NORML NORML Odor scalar 'Visual NORML NORML Emulsified Water scalar 'Visual NORML NORML Emulsified Water scalar 'Visual NORML NORML Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visc @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Visco @ 40°C cSt ASTM D445 95.0 SAMPLE IMAGES method imit/base current Viscosity @ 40°C related to the scalar 'Viscosity' @ 40°C related to the scalar 'Visc	Precipitate scalar "Visual NONE NONE NONE NONE Siti scalar "Visual NONE NONE NONE UCHT BandDiri scalar "Visual NONE NONE NONE Appearance scalar "Visual NONE NONE NONE Appearance scalar "Visual NORML NORML NORML Odor scalar "Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NORML NUMPERIMAL Lab NUMPE : WearCheck USA - 501 Madison Ave., Cary, NC 27513 NE - JOHNSTOWN REG 251 VAL Lab NUMPE : WearCheck USA - 501 Madison Ave., Cary, NC 27513 NE - JOHNSTOWN REG 251 VAL Lab NUMPE : 10030781 Dignostical : Don Baldridge	

1

Ŭ

Contact/Location: SCOTT FOSTER - JREDAV