

OIL ANALYSIS REPORT

STK PILES FRONT

BC-10 BC-10 Component Gear Reducer

SHELL MORLINA S4 B 220 (--- GAL)

Sample Rating Trend **VISCOSITY**

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

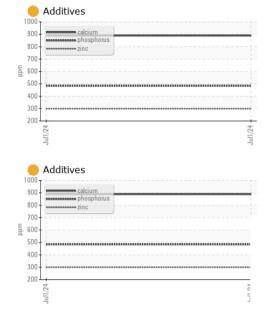
Fluid Condition

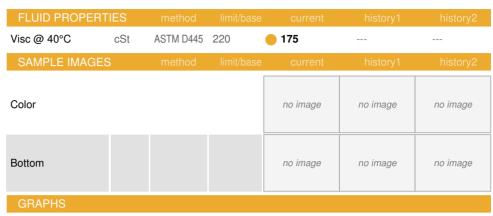
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944204		
Sample Date		Client Info		01 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>250	41		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>50	<1		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		889		
Phosphorus	ppm	ASTM D5185m		484		
Zinc	ppm	ASTM D5185m		299		
Sulfur	ppm	ASTM D5185m		1631		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	35		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
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	NONE		
Debris	scalar	*Visual	NONE	NONE		
Cand/Dist	scalar	*Visual	NONE	NONE		
Sand/Dirt		43.77	NODM	NORML		
Sand/Dirt Appearance	scalar	*Visual	NORML	NONIVIL		
	scalar scalar	*Visual	NORML	NORML		
Appearance						
Appearance Odor	scalar	*Visual	NORML	NORML		

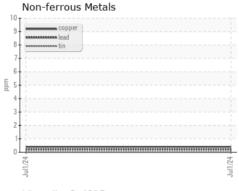


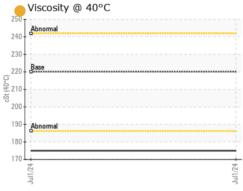
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Ferrous Alloys 30 25







Certificate 12367

Laboratory Sample No.

: WC0944204 Lab Number : 06236505 Unique Number : 11125339 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 Tested : 16 Jul 2024

Diagnosed : 17 Jul 2024 - Sean Felton 1446 DEVILS BACKBONE ROAD OREGON, IL US 61061-0156 Contact: Brian Bunnell

brian.bunnell@coviacorp.com T: (815)677-8700

COVIA - OREGON - 004

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)