WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

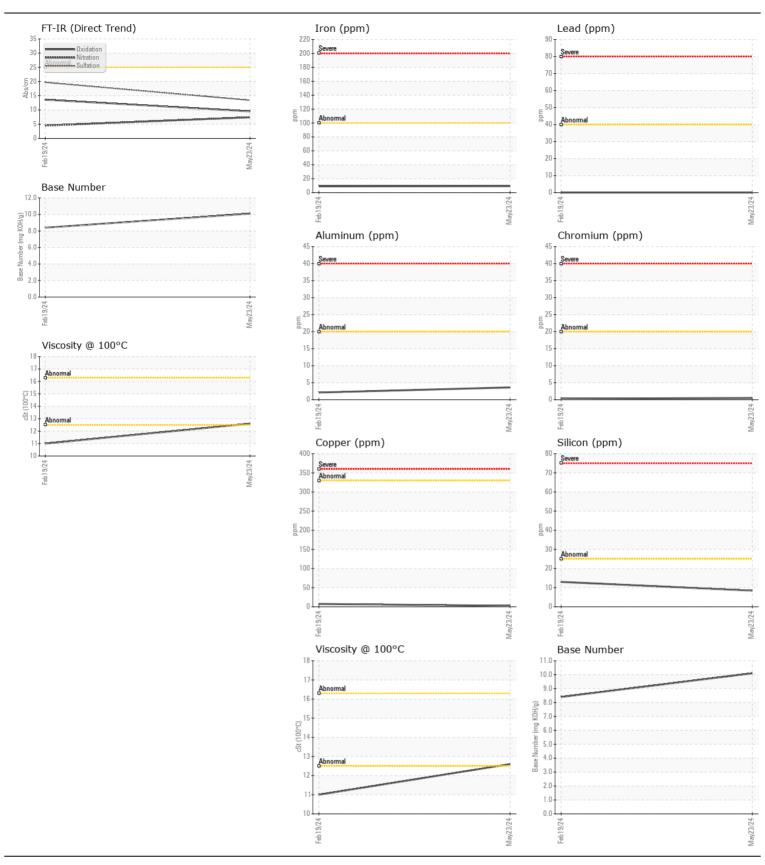
Machine Id

## **PIGGY FORKLIFT 1369**

Diesel Engine

NAPA 5W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0917218	WC0906276	
	Sample Date		Client Info		23 May 2024	19 Feb 2024	
	Machine Age	hrs	Client Info		80	26	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	ATTENTION	
VEAR	Iron	ppm	ASTM D5185m	>100	9	9	
	Chromium	ppm	ASTM D5185m	>20	<1	<1	
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m	>20	4	2	
	Lead	ppm	ASTM D5185m	>40	0	0	
	Copper	ppm	ASTM D5185m	>330	3	7	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185m	> 25	ο	13	
CONTAMINATION	Potassium	ppm	ASTM D5185m		8 2	<1	
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	0.4	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	70.2	NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	4.5	
	Sulfation	Abs/.1mm	*ASTM D7415		13.4	19.7	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	
THE CONDITION	O - all		AOTA DEADE				
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	5	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		161	413	
	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		<1 78	5 73	
	Manganese	ppm	ASTM D5185m		/o <1	3	
	Magnesium	ppm	ASTM D5185m		986	321	
	Calcium	ppm	ASTM D5185m		1457	1377	
	Phosphorus	ppm	ASTM D5185m		1021	895	
	Zinc	ppm	ASTM D5185m		1142	1023	
	Sulfur	ppm	ASTM D5185m		2746	3881	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	9.5	13.6	
	Base Number (BN)		ASTM D2896		10.1	8.4	
	Visc @ 100°C	cSt	ASTM D445		12.6	11.0	





Report Id: CONFAY [WUSCAR] 06214253 (Generated: 06/21/2024 12:53:05) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06214253 Unique Number : 11087117

: WC0917218

Received **Tested** Diagnosed

: 19 Jun 2024 Test Package : MOB 1 ( Additional Tests: TBN )

: 20 Jun 2024 : 20 Jun 2024 - Wes Davis

**CONCRETE SERVICE CO - FAY BLOCK** 161 BUILDERS BLVD FAYETTEVILLE, NC

US 28301 Contact: BRYAN VANNIMAN

To discuss this sample report, contact Customer Service at 1-800-237-1369. bryanvanniman@fayblock.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (800)326-9198 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)