**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

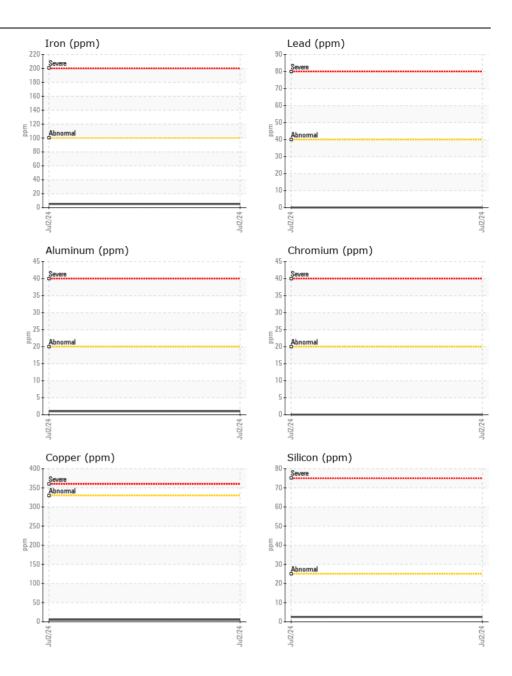
Machine Id

Welder 297

Component
Diesel Engine

PEUID CANADA DIIRON SHP 15W40 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History
Sample Number		Client Info		PCA0123020		
Sample Date		Client Info		02 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
lvan		ACTM DE10Em	. 100			
			>4			
			>15			
			NONE	-		
			-			
Yellow Metal	scalar	visuai	NONE	NONE		
Silicon	ppm	ASTM D5185m	>25	2		
Potassium	ppm	ASTM D5185m	>20	<1		
Fuel		WC Method	>5	<1.0		
Water	%	ASTM D6304	>0.2	NEG		
Glycol		WC Method		NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Codium		ACTM DE10Em		4		
			0			
-						
-						
Phosphorus Zinc	ppm		1150 1270	1086 1328		
		u > inu i ib i x5m	1//0	1328		
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Fuel Water % Glycol Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Phosphorus	Sample Number Sample Date Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Oil Age Nrs Client Info Sample Status  Iron  ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Valual Scalar Visual Silicon ppm ASTM D5185m Fuel WC Method Water % ASTM D6304 WC Method Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Sand/Dirt scalar *Visual Scalar *Visual Appearance Scalar *Visual Scalar Appearance Scalar *Visual Scalar Appearance Scalar ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Barium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Phosphorus Ppm ASTM D5185m	Sample Number Sample Date Client Info Machine Age Inrs Client Info Oil Age Inrs Client Info Client Info Oil Age Inrs Client Info Oil Changed Client Info Oil Changed Client Info Filter Changed Sample Status  Iron Opm ASTM D5185m Silver Oppm ASTM D5185m Vanadium Oppm ASTM D5185m Visual NONE Visual NONE Visual NONE Olycol WC Method Silt Scalar Visual NONE Sand/Dirt Scalar Visual NORML Sand/Dirt Scalar Visual NORML Odor Scalar Visual NORML Odor Scalar Scalar Visual NORML Odor Scalar Scalar Scalar Visual NORML Odor Scalar S	Sample Number         Client Info         PCA0123020           Sample Date         Client Info         02 Jul 2024           Machine Age         hrs         Client Info         0           Oil Age         hrs         Client Info         0           Filter Age         hrs         Client Info         N/A           Oil Changed         Client Info         N/A           Filter Changed         Client Info         N/A           Sample Status         NORMAL           Iron         ppm         ASTM D5185m         >100         5           Chromium         ppm         ASTM D5185m         >20         0           Nickel         ppm         ASTM D5185m         >20         0           Nickel         ppm         ASTM D5185m         >20         1           Silver         ppm         ASTM D5185m         >20         1           Lead         ppm         ASTM D5185m         >30         5           Copper         ppm         ASTM D5185m         >40         0           Copper         ppm         ASTM D5185m         >15         0           Vanadium         ppm         ASTM D5185m         >15         0	Sample Number         Client Info         PCA0123020            Sample Date         Client Info         02 Jul 2024            Machine Age         hrs         Client Info         0            Oil Age         hrs         Client Info         0            Filter Age         hrs         Client Info         N/A            Oil Changed         Client Info         N/A            Filter Changed         Client Info         N/A            Sample Status         NORMAL            Iron         ppm         ASTM D5185m         >100         5            Chromium         ppm         ASTM D5185m         >20         0            Nickel         ppm         ASTM D5185m         >4         0            Silver         ppm         ASTM D5185m         >3         0            Silver         ppm         ASTM D5185m         >30         5            Lead         ppm         ASTM D5185m         >30         5            Lead         ppm         ASTM D5185m         >30         5







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: PCA0123020 Lab Number : 06230692 Unique Number : 11114185

Test Package : MOB 2 ( Additional Tests: KF )

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

Received **Tested** 

Diagnosed

: 08 Jul 2024 : 10 Jul 2024

: 10 Jul 2024 - Jonathan Hester

Contact: BUTCH MCGRATH bmcgrath@glopes.com T:

**G LOPES CONSTRUCTION** 

565 WINTHROP ST

TAUNTON, MA

US 02780

F:

\* - 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)