

WEAR CONTAMINATION FLUID CONDITION

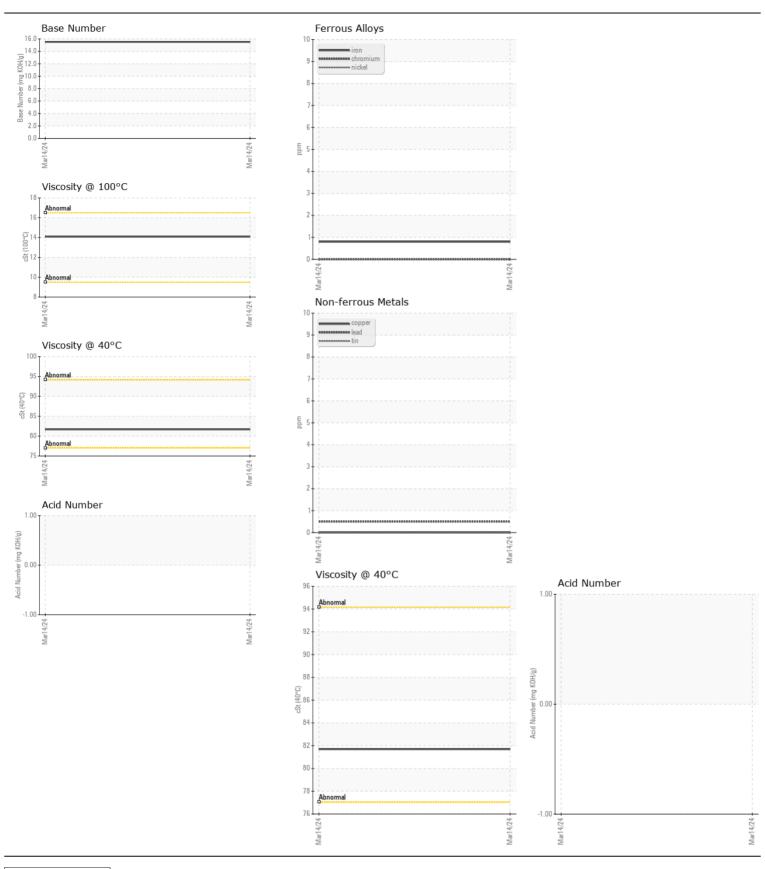
NORMAL NORMAL NORMAL

Machine Id

## 24C1309 PCMOEURO-330

New (Unused) Oil

Test	UOM	Method	Limit/Abn	Current	History1	History2
	- 5				-	
·						
·	hrs					
-						
_						
	1110					
-				-		
-		Olicili IIIIo				
Iron	ppm	ASTM D5185m		<1		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		4		
Lead	ppm	ASTM D5185m		<1		
Copper Tin	ppm	ASTM D5185m		0		
		ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		<1		
White Metal Yellow Metal	scalar	*Visual	NONE	NONE		
	scalar	*Visual	NONE			
Silicon	ppm	ASTM D5185m		12		
Potassium	ppm	ASTM D5185m	>20	0		
Water		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		
<b>Emulsified Water</b>	scalar	*Visual		NEG		
0 11		AOTM DE405	75			
			>/5			
-						
-						
·						
Sulfur Base Number (BN)	ppm					
Haca Number (RNI)	mg KOH/g	ASTM D2896		15.52		
` '		A OTA A D 4 4 -		04 00		
Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445 ASTM D445		81.69 14.09		
	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 Water Silt Debris Sand/Dirt Appearance Odor	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel ppm Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Sand/Dirt Silt Sand/Dirt Scalar Sand/Dirt Appearance Scalar Sodium Emulsified Water Sodium Som Boron Barium Manganese ppm Magnesium Ppm Manganese ppm Calcium Ppm Potaspi Magnesium Ppm Manganese ppm Magnesium Ppm Manganese ppm Calcium Ppm Potaspi Magnesium Ppm Manganese ppm Magnesium Ppm Manganese ppm Magnesium Ppm Phosphorus Zinc Pppm Ppi Ppm Ppm Phosphorus Ppm Zinc Ppm	Sample Number Sample Date Machine Age Mrs Client Info Client Info Oil Age Mrs Client Info Filter Age Mrs Client Info Cilent Info Filter Age Mrs Client Info Sample Status  Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Valual Vellow Metal Scalar Visual Silicon ppm ASTM D5185m Vater WC Method Silt Scalar Visual Debris Scalar Visual Appearance Scalar Visual Appearance Scalar Visual Sand/Dirt Scalar Visual Appearance Scalar Visual Sodium Ppm ASTM D5185m Boron ppm ASTM D5185m Boron Ppm ASTM D5185m Barium ppm ASTM D5185m Molybdenum ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Phosphorus ppm ASTM D5185m AST	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Oil Age hrs Client Info Oil Changed Filter Changed Filter Changed Sample Status  Iron Ohromium Ohromiu	Sample Number         Client Info         HPL0001081           Sample Date         Client Info         14 Mar 2024           Machine Age         hrs         Client Info         0           Oil Age         hrs         Client Info         0           Filter Age         hrs         Client Info         Not Changd           Filter Changed         Client Info         Not Changd           Filter Changed         Client Info         Not Changd           Sample Status         NORMAL         NORMAL           Iron         ppm         ASTM D5185m         0           Chromium         ppm         ASTM D5185m         0           Nickel         ppm         ASTM D5185m         0           Nickel         ppm         ASTM D5185m         0           Aluminum         ppm         ASTM D5185m         0           Aluminum         ppm         ASTM D5185m         4           Lead         ppm         ASTM D5185m         0           Tin         ppm         ASTM D5185m         0           Vanadium         ppm         ASTM D5185m         0           Vanadium         ppm         ASTM D5185m         >20           Value	Sample Number         Client Info         HPL0001081            Sample Date         Client Info         14 Mar 2024            Machine Age         hrs         Client Info         0            Oil Age         hrs         Client Info         0            Filter Age         hrs         Client Info         Not Changd            Oil Changed         Client Info         Not Changd            Filter Changed         Client Info         N/A            Sample Status         NORMAL          N/A            Iron         ppm         ASTM D5185m         0             Kickel         ppm         ASTM D5185m         0





Laboratory Unique Number: 10936998

Sample No. Lab Number : 06122847

: HPL0001081

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

Diagnosed

: 19 Mar 2024 : 22 Mar 2024

: 22 Mar 2024 - Jonathan Hester

HIGH PERFORMANCE LUBRICANTS LLC 500 S SPRUCE ST

MANTENO, IL US 60950

Test Package : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: DAVID WARD sampledata@hplubricants.com

\* - 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) T: (815)468-3535 F: x: