



Machine Id  
**EPIROC D60 G19SED0164**  
 Component  
**Compressor**  
 Fluid  
**ATLAS COPCO PAROIL S (--- GAL)**

### RECOMMENDATION

We advise an early resample to confirm this situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197503</b>	JR0191173	JR0181252
Sample Date		Client Info		<b>17 Jan 2024</b>	30 Oct 2023	31 Jul 2023
Machine Age	hrs	Client Info		<b>8875</b>	8544	8047
Oil Age	hrs	Client Info		<b>8875</b>	497	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>SEVERE</b>	NORMAL	NORMAL

### WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>36</b>	11	10
Iron	ppm	ASTM D5185m	>50	<b>165</b>	<1	<1
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>65	<b>78</b>	0	<1
Copper	ppm	ASTM D5185m	>65	<b>87</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>7</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

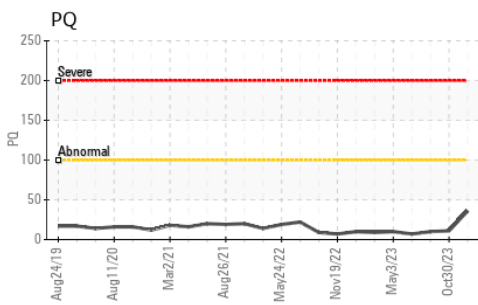
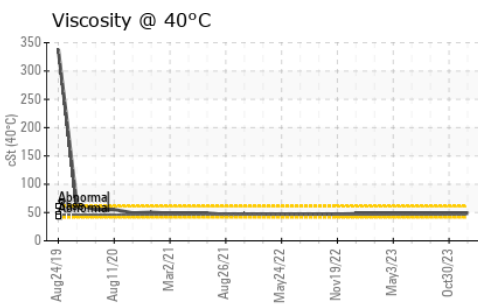
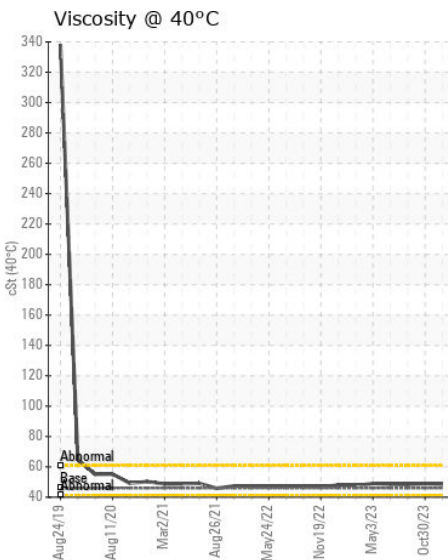
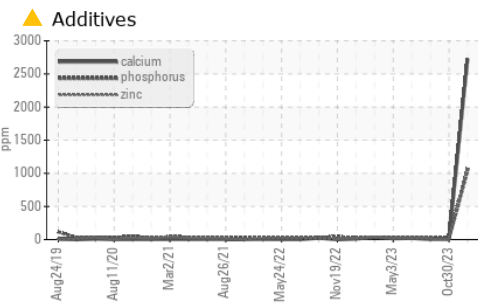
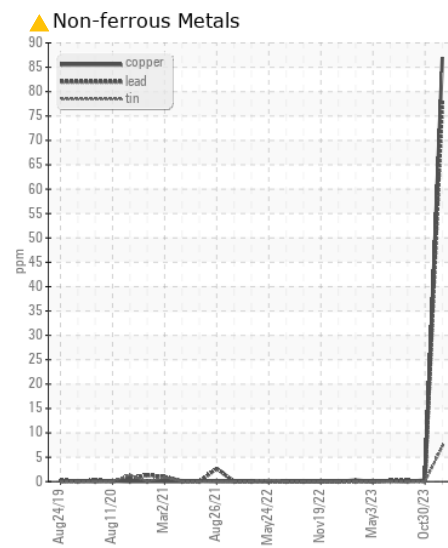
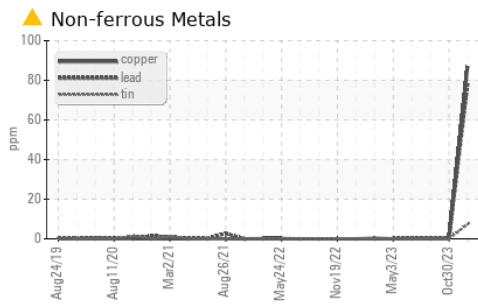
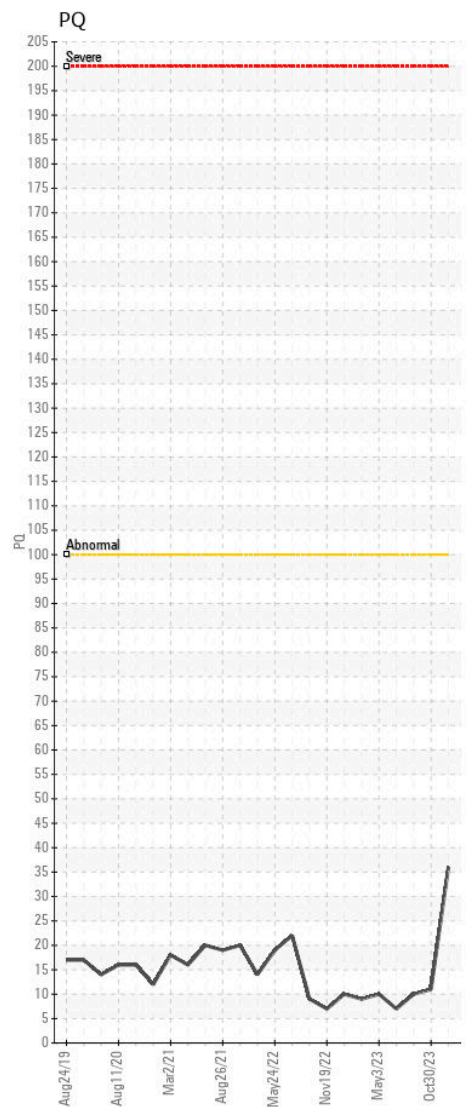
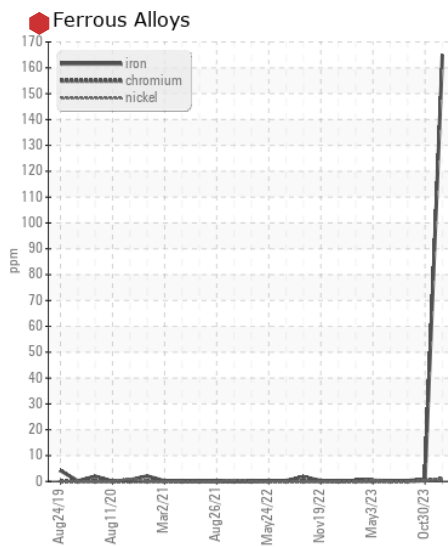
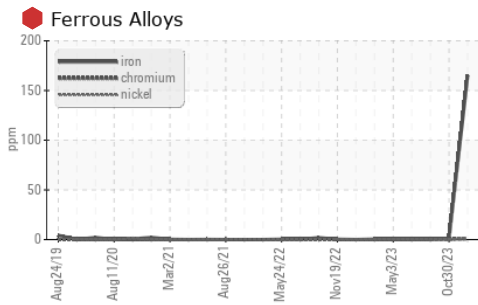
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>13</b>	<1	2
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	2	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>14</b>	1	3
Boron	ppm	ASTM D5185m	0	<b>13</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>2</b>	<1	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	0	0
Manganese	ppm	ASTM D5185m	0	<b>2</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>53</b>	1	<1
Calcium	ppm	ASTM D5185m	0	<b>2723</b>	3	2
Phosphorus	ppm	ASTM D5185m	100	<b>1052</b>	18	20
Zinc	ppm	ASTM D5185m	0	<b>1065</b>	5	10
Sulfur	ppm	ASTM D5185m	200	<b>3473</b>	415	4
Visc @ 40°C	cSt	ASTM D445	46.0	<b>48.6</b>	48.9	48.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197503 **Received** : 18 Jan 2024  
**Lab Number** : 06064492 **Tested** : 07 Feb 2024  
**Unique Number** : 10835874 **Diagnosed** : 07 Feb 2024 - Doug Bogart  
**Test Package** : CONST ( Additional Tests: PQ )

**GARNER - MARTIN MARIETTA**  
 1111 E GARNER RD  
 GARNER, NC  
 US 27529  
 Contact: JASON GILMORE  
 jason.gilmore@martinmarietta.com

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)

T:  
F: