

**HYDRAULIC SYSTEM**
**EQUIP NUM: E123788**
**SERIAL NUMBER: PWR03267**
**H160-54107-0463**

LABEL#: 248109736

SHOP JOB NUM : 3807003

SAMPLE SHIP TIME (days) : 4

**PHOENIX PAVER  
MANUFACTURING**

LOCATION: Phoenix AZ

RECEIVED DATE: 16-Apr-24

**CAT 924K**
**No Action Required**
**Interp By: Brandon Hepler**
**Interpreted On: 16-Apr-24**

NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

**SAMPLE INFORMATION**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
Sampled Date	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
Sample Id	H160-54107-0463	H160-54026-0344	H160-53314-0455	H160-53240-0411
Lab Date	16-Apr-24	26-Jan-24	10-Nov-23	28-Aug-23
Meter [Hr]	6977	6777	6573	6359
Meter On Fluid	3051	2851	2647	2433
Fluid Brand	CAT	CAT	CAT	CAT
Fluid Weight	30	30	30	30
Fluid Type				
Fluid Change	N	N	N	N
Filter Change	N	N	N	N
Total Fluid Added	0	0	0	0

**WEAR LEVELS / ADDITIVES**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>				
Cu Copper	5	5	7	6
Fe Iron	7	7	9	8
Cr Chromium	0	0	1	0
Al Aluminium	1	1	2	3
Pb Lead	1	0	2	1
Sn Tin	0	0	0	0
Si Silicon	9	11	7	6
Na Sodium	7	11	14	5
K Potassium	2	5	5	6
Mo Molybdenum	6	7	4	4
Ni Nickel	0	0	0	1
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	0
Ca Calcium	1895	1908	1086	1029
P Phosphorus	992	1000	861	891
Zn Zinc	1211	1289	1239	1122
Mg Magnesium	355	359	473	449
Ba Barium	0	0	0	0
B Boron	81	83	70	65

**PREVIOUS SAMPLE**

NO	PROBLEMS	PRESENTLY	ASSOCIATED	WITH	THIS	SAMPLE.	CONTINUE
SAMPLING AT THE NORMAL INTERVAL.							

For additional sample history, go to:

[S.O.S WEB](#)
**CONDITION / CONTAMINATION**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>				
V100 Viscosity at 100 C	8.400	8.700	8.800	8.900

**INFRARED (UFM) ASTM E2412**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
ST Soot	1	1	0	1
OXI Oxidation	8	8	11	10
SUL Sulfur Products	15	16	18	17
NIT Nitration	4	4	6	5

**WATER**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
W Water	N	N	N	N

**ANTIFREEZE**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23
A Antifreeze	N	N	N	N

**CLEANLINESS**

	12-Apr-24	24-Jan-24	08-Nov-23	24-Aug-23		
<b>PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406</b>						
ISO	ISO Code	Rating	17/14/9	21/16/12	19/16/12	16/15/12
4µ	4µ	733	10234	3094	592	
6µ	6µ	97	542	459	161	
10µ	10µ	17	91	83	42	
14µ	14µ	5	31	29	22	
18µ	18µ				14	
21µ	21µ	2	7	9	11	
25µ	25µ	1	4	4		
38µ	38µ	0	0	0	6	
70µ	70µ	0	0	0	4	

**PARTCL VOL INDICATOR**

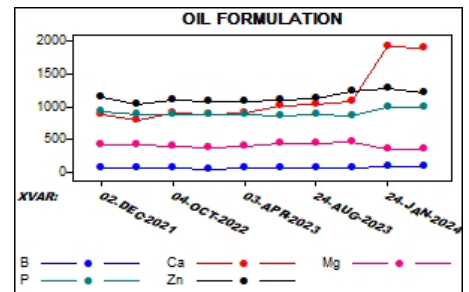
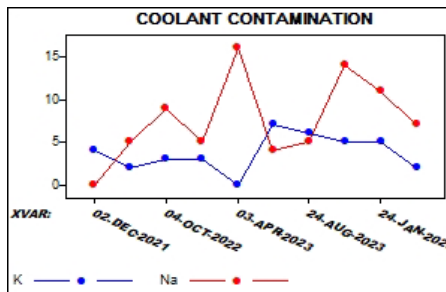
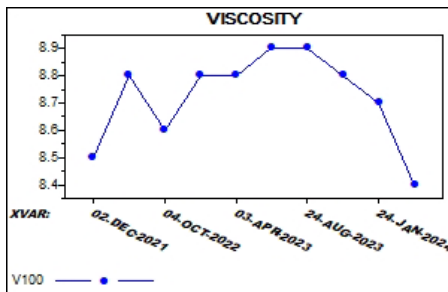
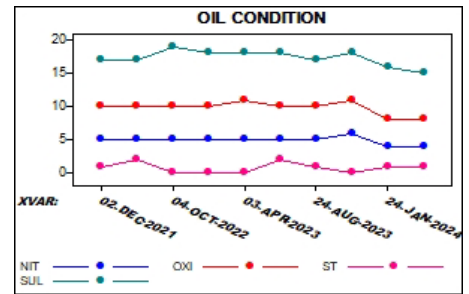
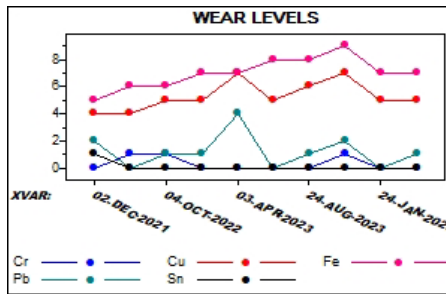
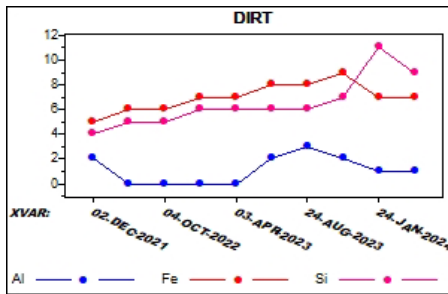
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PVI PVI	0.04	0.42	0.19	0.82

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**DEBRIS**

Debris	Debris	N	N	N	N



**Report Comment**

Our sample report has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>