



Reference number : 260703301

Machine: GTA12 CH12 / TURBOALTERNATEUR / GTA 12 / CH1203U08
 Component: TURBINE / CH1203U08 REDUCTEUR POINT CAISSE A HUILE



Make and type: Capacity : 5500 L
 Machine: Alstom MSBHD 1000L4

xxxxxxx
 xxxxxxxxxxxxxx

Component: ALCATEL .

Diagnosis date: 5 december 2013
 Oil : Total Preslia 32

		CLASSIC	CLASSIC	CLASSIC	PARTIC	CLASSIC
Sampling date		15-FEB-13	30-JUL-13	27-SEP-13	14-NOV-13	25-NOV-13
Sample Number		201302871	201310168	201312299	201314856	201314782
Sticker number		SI1090	SJ3462	SJ2780	H06471	SJ9633
Drain		No	No	No	No	No
Working time						
Mileage oil						
Oil ID		1307	1307	1307	1307	1307
Appearance		Clear	Clear	Clear		Clear
Water AQ	%	<0.05	<0.05	<0.05		<0.05
Water KF	ppm				40	
Insolubles	%	<0.002	<0.002	<0.002		<0.002
Acid Index	mgKOH/g	0.094	0.089	0.082		0.100
Visc. @40°C	cSt	32.30	32.30	32.00		40.30 ++
ISO class					18/16/12	
AS class					9	
Phosphorus	mg/kg	5	<5	<5		9
Boron	mg/kg	<10	<10	<10		<10
Zinc	mg/kg	<2	<2	<2		<2
Magnesium	mg/kg	<2	<2	<2		<2
Calcium	mg/kg	<2	<2	<2		<2
Molybdenum	mg/kg	<10	<10	<10		<10
Sodium	mg/kg	<5	<5	<5		<5
Tin	mg/kg	<10	<10	<10		<10
Lead	mg/kg	<5	<5	<5		<5
Nickel	mg/kg	<2	<2	<2		<2
Silicon	mg/kg	<2	<2	<2		59 ++
Iron	mg/kg	<2	2	<2		10 +
Chromium	mg/kg	<2	<2	<2		<2
Aluminium	mg/kg	<2	<2	<2		<2
Copper	mg/kg	<2	<2	<2		<2
Silver	mg/kg	<2	<2	<2		<2

Interpretation of the diagnosis

- High Silicium (Si) content.
- Metals content slightly high.
- Viscosity value is too high.
- Verify the real viscosity grade of this lubricant.
- Monitor thoroughly the evolution.

Norms List

Name	Full name	Norm
Appearance	Appearance	Anac
Water AQ	Water (Aquatest)	Anac
Water KF	Water (Karl Fischer)	ASTM D6304
Acid Index	Acid Index	NFISO6618
Visc. @40°C	Cinematic viscosity at 40 °C	ASTM D7279
ISO class	Contamination class ISO	ISO 4406
AS class	Contamination class AS	SAE AS4059
Phosphorus	(P) Phosphorus	NFT 60-106
Boron	(B) Boron	NFT 60-106
Zinc	(Zn) Zinc	NFT 60-106
Magnesium	(Mg) Magnesium	NFT 60-106
Calcium	(Ca) Calcium	NFT 60-106
Molybdenum	(Mo) Molybdenum	NFT 60-106
Sodium	(Na) Sodium	NFT 60-106
Tin	(Sn) Tin	NFT 60-106
Lead	(Pb) Lead	NFT 60-106
Nickel	(Ni) Nickel	NFT 60-106
Silicon	(Si) Silicon	NFT 60-106
Iron	(Fe) Iron	NFT 60-106
Chromium	(Cr) Chromium	NFT 60-106
Aluminium	(Al) Aluminium	NFT 60-106
Copper	(Cu) Copper	NFT 60-106
Silver	(Ag) Silver	NFT 60-106